
SEPARATE RESULTS
OF
OBSERVATIONS
OF THE FIXED STARS
MADE WITH THE
MADRAS MERIDIAN CIRCLE
IN THE YEAR
1879

Separate Results of Madras Meridian Circle Observations in 1879.

Number and Date.	Magnitude.	Mean Right Ascension 1879.			No. of Wires.	Mean Polar Distance 1879.			Observer.	Number and Date.	Magnitude.	Mean Right Ascension 1879.			No. of Wires.	Mean Polar Distance 1879.			Observer.	
		h.	m.	s.		o.	'	"				h.	m.	s.		o.	'	"		
14 Taylor 120.																				
34.61 90 55 65	Nov. 21	5.6	0 24	34.91 ⁶	...	188	52	52.0	R	22	29 Andromedæ π	Nov. 1	4.5	0 30	25.26 ⁹	4	56	56	47.8	R
	24	5.6	24	34.80	...		52	53.5	R	10	4.6	30	24.99 ^{8.18}	...		56	48.1	R	25.29 18.	
	Dec. 11	5.6	24	34.78 ⁵⁸	...		52	52.6	R	12	4.6	30	25.61 ^{7.4}	...		56	48.7	R	19	
										20	4.6	30	25.69 ^{1.4}	...		56	47.9	R	19 27	
15 14 Cassiopeiæ λ																				
5.65 6.0	Nov. 25	5.0	0 25	5.40 ⁶⁵	...	86	8	48.7	R	23 Radcliffe 172.										
										Oct. 27	5.6	0 32	28.76 ⁷⁶	...	41	18	36.4	M	20.86	
										31	5.0		32	28.84	...		18	36.4	M	185
16 λ² Phœnicis.																				
34.58	Nov. 4	5.2	0 25	34.72 ⁵⁸	...	139	28	22.8	R	24 Lacaille 172.										
	19	...	25	34.63	...		28	24.3	R	Oct. 25	5.0	0 34	44.98 ⁸⁶	...	150	8	8.2	M	14.86	
	20	5.1	25	34.43	...		28	22.6	R	Nov. 4	5.1	34	45.45 ^{3.24}	...		8	8.9	R	94	
	28	5.0	25	34.53	...		28	21.5	R	27	5.0	34	45.38 ^{3.0}	...		8	4.2	R	45.34	
										28	5.0	34	45.84	...		8	4.4	R	34 48.12	
17 15 Cassiopeiæ κ—1st.																				
7.78 .91 .84 84	Oct. 17	...	0 26	7.86 ⁷⁸	...	27	44	9.0	M	25 μ Phœnicis.										
	23	4.0	26	7.79 ⁷¹	...		44	8.2	M	Nov. 21	5.1	0 35	36.46 ²⁰	...	186	44	57.8	R	36.20	
	Nov. 11	4.8	26	7.86 ⁸⁶	...		44	8.8	R	Dec. 10	5.0	35	36.49 ^{3.5}	...		44	57.7	R	53	
	12	4.1	26	7.82 ⁸²	...		44	9.9	R	11	5.0	35	36.20 ^{4.0}	...		44	57.8	R	41	
										18	5.0	35	36.39 ^{4.0}	...		44	56.9	R	44	
										19	5.3	35	36.27 ^{6.2}	...		44	57.8	R	62 44	
18 β³ Tucanæ.																				
	Dec. 6	5.0	0 27	12.35	...	153	41	51.2	R	26 ξ Phœnicis.										
										Dec. 12	5.0	0 36	14.97 ^{15.25}	...	147	10	3.5	R		
19 Taylor 139.																				
41.93 82 95 2.06 94	Nov. 27	5.6	0 27	41.90 ³	...	120	13	30.0	R	27 20 Cassiopeiæ π										
	Dec. 5	5.6	27	41.87 ^{1.5}	...		18	29.5	R	Oct. 20	...	0 36	46.26 ^{8.5}	...	43	38	14.1	M	46.35	
	8	5.6	27	42.09 ⁴	...		18	31.0	R	Dec. 2	5.0	36	46.28 ^{7.0}	...		38	14.0	R	40	
	18	5.6	27	42.02 ⁴	...		18	30.4	R	6	5.0	36	46.08 ^{8.0}	...		38	14.0	R	24	
										8	5.0	36	46.07 ¹⁸	...		38	14.9	R	18 37	
20 λ² Phœnicis.																				
50.64 67 76 67 69	Nov. 21	5.6	0 29	54.94 ⁶	...	138	39	51.3	R	28 λ¹ Sculptoris.										
	22	5.6	29	54.82 ⁸⁷	4		39	52.1	R	Nov. 1	5.1	0 36	58.52 ⁴⁵	...	129	7	35.6	R	53.45	
	Dec. 1	5.6	29	54.89 ⁸⁷	...		39	50.8	R	11	5.3	36	58.43 ⁴⁵	...		7	36.4	R	43	
	2	5.6	29	54.84 ⁸⁷	...		39	50.5	R	12	5.2	36	58.68 ⁴⁵	...		7	37.1	R	34	
										24	5.5	36	58.63	...		7	37.8	R		
21 17 Cassiopeiæ ζ																				
13.62 81 67 69 70	Nov. 3	...	0 30	13.75 ⁶²	...	36	46	8.3	R											
	24	...	30	13.81	...		46	9.4	R											
	25	...	30	13.78 ⁶⁷	...		46	9.1	R											
	26	...	30	13.79 ⁶⁹	...		46	9.6	R											

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Number and Date.	Magnitude.	Mean Right Ascension 1879.			No. of Wires.	Mean Polar Distance 1879.			Observer.	Number and Date.	Magnitude.	Mean Right Ascension 1879.			No. of Wires.	Mean Polar Distance 1879.			Observer.
		h.	m.	s.		o.	"	"				h.	m.	s.		o.	"	"	
2 Ursæ Minoris—s.p.										51 42 Andromedæ φ									
28.82		June 8	...	0 52 28.17	5	4 23 37.3	R			Oct. 25	...	1 2 23.92	...	43 24 13.1	M	28.55			
		12	...	52 28.50	3	23 39.0	R			Nov. 1	...	2 23.74	...	24 12.6	R	.78			
										21	...	2 23.84	...	24 13.6	R	.81			
										24	...	2 29.05	...	24 13.2	R				
45 a Sculptoris.										52 ζ Phœnicis.									
46.21		Oct. 27	5.0	0 52 46.29	...	120 0 40.2	M			Nov. 3	5.1	1 3 17.89	...	145 53 84.1	R	17.78			
										20	5.1	3 17.97	...	53 84.5	R	.79			
46 R. P. L. 14.										53 84 Piscium χ									
52 3.62		Nov. 8	...	0 55 59.70	3	3 29 57.5	R			Oct. 27	5.0	1 4 57.40	...	69 36 84.6	M	56.99			
.35		20	...	55 59.89	3	29 58.8	R												
.46		21	...	55 59.89	3	29 59.5	R												
.26		Dec. 6	...	55 59.81	2	29 58.7	R												
56 3.42																			
47 71 Piscium ε										54 Taylor 396.									
		Oct. 2	...	0 56 39.75	5	32 45 38.2	M			Nov. 5	...	1 7 11.88	...	128 29 50.1	R	10.90			
39.98		16	...	56 39.87	...	45 41.9	M			11	5.6	7 10.95	...	29 50.9	R	.82			
.84		Nov. 24	...	56 39.85	...	45 40.2	R			12	5.6	7 10.97	...	29 51.5	R	.76			
.88		27	...	56 39.88	...	45 39.4	R			22	5.6	7 11.50	...	29 52.1	R	11.01			
.81		Dec. 1	...	56 39.87	...	45 40.9	R									10.87			
		11	...	56 39.87	...	45 42.4	R												
		12	...	56 39.86	...	45 41.8	R												
		18	...	56 39.95	...	45 41.7	R												
48 ω Phœnicis.										55 37 Ceti.									
54.44		Nov. 1	5.6	0 56 54.84	...	147 39 15.8	R			Nov. 1	5.6	1 8 18.24	...	98 34 22.6	R	18.21			
.40		5	5.6	56 54.82	...	39 14.5	R			21	5.6	8 18.38	...	34 22.7	R	.31			
										24	5.6	8 18.17	...	34 22.8	R	.17			
																.23			
49 30 Cassiopeiæ μ										56 ν Phœnicis.									
13.76		Nov. 12	5.7	1 0 13.66	...	85 40 27.7	R			Nov. 3	4.6	1 9 43.48	...	136 10 40.7	R	43.40			
.57		22	5.6	0 13.72	...	40 26.6	R			25	4.6	9 43.39	...	10 41.2	R	.48			
.50		25	5.6	0 13.66	...	40 27.1	R			26	4.5	9 43.53	...	10 42.5	R	.59			
.58		26	5.6	0 13.68	...	40 25.5	R			27	4.5	9 43.50	...	10 40.3	R	.53			
(60)		28	5.6	0 13.60	...	40 26.6	R									.50			
.86		Dec. 2	5.6	0 13.76	...	40 28.0	R												
.85		5	5.6	0 13.60	...	40 25.2	R												
.82		8	5.6	0 13.66	...	40 28.1	R												
.70																			
50 41 Andromedæ.										57 κ Tucanæ.									
4.39		Oct. 31	5.0	1 1 4.34	...	46 42 11.7	M			Nov. 20	5.1	1 11 40.40	...	159 31 9.5	R	59.72			
.49		Nov. 11	5.3	1 4.58	...	42 10.6	R			Dec. 1	5.0	11 40.46	...	31 7.0	R	40.29			
.44										5	5.0	11 40.38	...	31 9.5	R	39.58			
										10	5.0	11 40.38	...	31 10.8	R	39.61			
										11	5.0	11 40.48	...	31 11.0	R	39.64			

Separate Results of Madras Meridian Circle Observations in 1879.

51.71
received
51.94
45
61.85

24.15
11

62

45.76
46.02
(36)
.19
5.91
46.05

58.51
.47
.49
.46
.48

14.24
15.49
19.24
44
26

Number and Date.	Magnitude.	Mean Right Ascension 1879.			No. of Wires.	Mean Polar Distance 1879.			Observer.	Number and Date.	Magnitude.	Mean Right Ascension 1879.			No. of Wires.	Mean Polar Distance 1879.			Observer.
		h.	m.	s.		°	'	"				h.	m.	s.		°	'	"	
58 Lacaille 361.																			
Nov. 12	...	1	12	52 ^{1.71} 22	...	157	2	11.9	R	Nov. 11	5.3	1	19	40 ¹⁵ 15	...	105	13	38.5	R
28	5.0	12	52 ^{1.83} 33	...	...	...	2	10.5	R	28	5.0	19	39 ⁰⁵ 05	...	...	...	13	42.7	R
Dec. 6	5.0	12	52 ^{1.85} 52	...	...	...	2	12.5	R	Dec. 2	5.0	19	40 ¹⁵ 02	...	...	...	13	41.9	R
8	5.0	12	52 ^{1.85} 39	...	...	...	2	13.9	R	5	5.0	19	40 ¹⁴ 32	...	...	...	13	41.6	R
59 1 Ursæ Minoris a, Polaris.																			
Jan. 7	...	1	14	21.20	2	1	20	8.6	M	Nov. 12	5.4	1	19	44 ¹¹ 11	...	71	27	30.1	R
60 36 Cassiopeiæ ψ																			
Nov. 1	4.6	1	17	29 ^{4.15} 48	...	22	30	6.7	R	Dec. 8	5.0	19	44 ¹¹ 21	...	...	...	27	29.6	R
3	4.6	17	29 ^{4.16} 06	...	...	...	30	6.0	R										
5	4.7	17	29 ^{4.15} 23	...	...	...	30	5.3	R										
61 Lacaille 391.																			
Nov. 21	5.3	1	17	46 ^{5.76} 35	...	157	1	3.7	R	Jan. 9	5.9	1	22	14.33	...	20	21	30.2	M
22	5.0	17	46 ^{5.77} 55	...	...	...	1	1.3	R	Jan. 10	5.5	1	22	50.87	...	43	37	2.0	M
24	5.0	17	46 ^{5.78} 36	...	...	...	1	3.1	R	11	5.6	22	51.06	...	...	...	37	3.3	M
Dec. 1	5.3	17	46 ^{5.79} 43	4	...	...	1	3.5	R	Nov. 5	...	22	50 ^{5.82} 58	...	...	...	37	3.3	R
12	5.2	17	46 ^{5.79} 49	...	...	...	1	3.7	R	22	5.0	22	50 ^{5.82} 02	...	...	...	37	2.1	R
62 45 Ceti θ ¹																			
Oct. 6	...	1	17	58 ^{5.7} 53	...	98	43	27.3	M										
Nov. 26	...	17	58 ^{5.7} 48	...	...	...	43	28.7	R										
Dec. 3	...	17	58 ^{5.7} 32	...	...	...	48	27.5	R										
20	...	17	58 ^{5.7} 47	...	...	...	48	29.7	R										
63 c ² Phœnicis.																			
Oct. 25	5.0	1	19	19 ^{3.4} 41	...	132	7	19.3	M										
27	5.0	19	19 ^{3.4} 03	...	...	...	7	23.3	M										
Nov. 25	5.0	19	19 ^{3.4} 20	...	...	...	7	20.1	R										
27	5.0	19	19 ^{3.4} 49	...	...	...	7	20.6	R										
64 46 Ceti.																			
Nov. 11	5.3	1	19	40 ¹⁵ 15	...	105	13	38.5	R										
28	5.0	19	39 ⁰⁵ 05	...	...	...	13	42.7	R										
Dec. 2	5.0	19	40 ¹⁵ 02	...	...	...	13	41.9	R										
5	5.0	19	40 ¹⁴ 32	...	...	...	13	41.6	R										
65 93 Piscium ρ																			
Nov. 12	5.4	1	19	44 ¹¹ 11	...	71	27	30.1	R										
Dec. 8	5.0	19	44 ¹¹ 21	...	...	...	27	29.6	R										
66 94 Piscium.																			
Dec. 18	5.0	1	20	9.72	...	71	23	14.2	R										
19	5.0	20	9.60	...	...	...	23	13.7	R										
67 38 Cassiopeiæ.																			
Jan. 9	5.9	1	22	14.33	...	20	21	30.2	M										
68 49 Andromedæ A.																			
Jan. 10	5.5	1	22	50.87	...	43	37	2.0	M										
11	5.6	22	51.06	...	...	...	37	3.3	M										
Nov. 5	...	22	50 ^{5.82} 58	...	...	...	37	3.3	R										
22	5.0	22	50 ^{5.82} 02	...	...	...	37	2.1	R										
69 R Piscium—Var. 1.																			
Dec. 10	10.5	1	24	23.65	...	87	44	43.0	R										
20	10.4	24	23.68	...	...	...	44	43.2	R										
26	9.4	24	23.56	...	...	...	44	40.9	R										
30	9.4	24	23.52	...	...	...	44	41.4	R										
70 99 Piscium η																			
Nov. 21	...	1	25	0.54	...	75	16	42.0	R										
25	...	25	0.59	...	...	...	16	41.5	R										
27	...	25	0.57	...	...	...	16	41.6	R										
28	...	25	0.59	...	...	...	16	41.3	R										
Dec. 2	...	25	0.51	...	...	...	16	42.1	R										
3	...	25	0.46	...	...	...	16	41.7	R										
6	...	25	0.49	...	...	...	16	42.6	R										
11	...	25	0.54	16	43.3	R										
18	...	25	0.52	16	43.7	R										

40.12
1531
18
14
09

44.22
06

51.00
11

23.67

0.57
68
53
49
51
50

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		h.	m.	s.		°	'	"				h.	m.	s.		°	'	"	
71 Taylor 502.																			
Jan. 8	5.8	1	27	31.25	...	127	29	10.6	M										
72 Taylor 504.																			
Nov. 1	5.6	1	27	39.23	...	140	20	49.3	R										
Dec. 1	5.6	27	39.09	...		20	50.2	R											
5	5.6	27	39.13	...		20	50.2	R											
8	5.6	27	39.08	...		20	51.3	R											
73 49 Ceti.																			
Nov. 20	5.6	1	28	43.45	...	106	17	48.8	R										
24	5.6	28	43.32	...		17	49.2	R											
26	5.6	28	43.21	...		17	48.8	R											
74 50 Andromedæ.																			
Nov. 5	...	1	29	41.72	...	49	12	0.0	R										
21	...	29	41.52	...		12	1.5	R											
22	...	29	41.61	...		11	53.8	R											
75 51 Andromedæ.																			
Jan. 17	3.9	1	30	34.17	...	41	50	7.8	M										
Oct. 27	3.8	30	34.03	...		59	7.0	M											
Nov. 10	4.0	30	34.17	...		50	6.3	R											
76 Taylor 543.																			
Jan. 4	5.9	1	33	4.87	...	127	8	24.5	M										
7	5.8	33	5.14	...		8	25.0	M											
Nov. 20	5.6	33	5.13	...		8	24.5	R											
77 53 Andromedæ τ																			
Jan. 9	5.3	1	33	26.26	...	50	2	11.3	M										
10	5.2	33	26.09	...		2	9.2	M											
78 Lacaille 499.																			
Nov. 12	5.8	1	34	51.01	...	156	13	14.3	R										
24	5.6	34	50.90	...		13	13.2	R											
26	5.6	34	50.82	...		13	16.2	R											
27	5.6	34	50.78	...		13	13.9	R											
79 106 Piscium ν																			
Nov. 23	...	1	35	8.01	...	85	7	30.7	R										
29	...	85	8.06	...		7	32.7	R											
Dec. 1	...	85	8.06	...		7	30.5	R											
3	...	85	8.06	...		7	29.9	R											
5	...	85	8.06	...		7	29.3	R											
8	...	85	8.04	...		7	31.6	R											
19	...	85	8.02	...		7	30.1	R											
80 p Eridani—1st																			
Dec. 6	6.0	1	35	12.30	...	146	48	35.6	R										
10	5.6	35	12.24	...		48	34.2	R											
11	5.6	35	12.10	...		48	37.2	R											
81 p Eridani—2nd																			
Nov. 21	5.6	1	35	12.09	...	146	48	31.4	R										
82 54 Andromedæ.																			
Jan. 11	4.5	1	36	4.87	...	39	55	18.8	M										
Nov. 11	4.5	36	4.72	...		55	16.6	R											
22	4.2	36	4.67	...		55	16.1	R											
Dec. 2	4.2	36	4.64	...	5	55	17.9	R											
83 ψ Phœnicis.																			
Nov. 5	...	1	36	8.62	...	128	44	47.4	R										
10	5.7	36	8.62	...		44	46.5	R											
Dec. 12	5.6	36	8.62	...		44	48.0	R											
20	5.6	36	8.61	...		44	49.2	R											
84 Lacaille 507.																			
Dec. 26	5.0	1	37	33.69	...	151	23	55.4	R										
30	5.0	37	33.12	...		23	55.5	R											
85 Taylor 587.																			
Nov. 20	5.6	1	41	21.46	...	141	25	16.8	R										
24	5.6	41	21.52	...		25	16.4	R											
26	5.6	41	21.23	...		25	16.7	R											

2.00
38.96
86
9.08
38.98

43.33
1.22
1.24
20

41.81
64
78
76

24.11
07

4.95

50.53
150
63
50.57
65

5.06
7.98
8.07
07
07

12.11
12.42
30
28

(81)
4.73
187
78.
81

5.52
57
67
47
56

21.00

21.15
152
29
32

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		h.	m.	s.		°	'	"				h.	m.	s.		°	'	"	
102 χ Phœnicis.																			
Dec. 8	5.0	1 56 51.58 ⁴⁴	...	135	17 48.1	R													
18	5.0	56 51.35³⁷			17 49.5	R													
103 ν Fornacis.																			
Jan. 8	5.4	1 59 3.06	...	119	52 39.1	M													
9	5.3	59 4.05	...		52 41.2	M													
10	5.5	59 4.20	...		52 39.7	M													
104 13 Arietis α																			
Jan. 15	...	2 0 21.32	...	67	6 39.1	M													
17	...	0 21.16	...		6 39.7	M													
Dec. 5	...	0 21.19 ²⁵	...		6 36.5	R													
9	...	0 21.25	...		6 38.0	R													
17	...	0 21.06	...		6 36.9	R													
26	...	0 21.41	...		6 36.5	R													
30	...	0 21.26	...		6 37.9	R													
105 67 Ceti.																			
Jan. 4	...	2 10 56.87	...	96	58 48.1	M													
7	...	10 57.03	...		58 47.0	M													
8	...	10 56.86	...		58 47.1	M													
9	...	10 56.89	...		58 49.0	M													
10	...	10 56.88	...		58 47.4	M													
11	...	10 56.93	...		58 48.3	M													
18	...	10 56.93	...		58 48.0	M													
23	...	10 57.08	...		58 48.8	M													
Dec. 6	...	10 56.86	...		58 47.5	R													
9	...	10 56.78	...		58 47.4	R													
12	...	10 56.84	...		58 48.9	R													
17	...	10 56.93	...		58 47.2	R													
19	...	10 56.88	...		58 48.1	R													
20	...	10 56.85	...		58 49.0	R													
26	...	10 56.96	...		58 47.0	R													
30	...	10 56.89	...		58 47.8	R													
106 Taylor 810.																			
Jan. 17	5.8	2 18 39.18	...	141	88 41.5	M													
18	5.8	18 39.05	...		88 43.4	M													
107 72 Ceti ρ																			
Jan. 7	5.8	2 20 6.52	...	102	50 14.5	M													
20	5.4	20 6.40	...		50 13.4	M													
23	5.8	20 6.40	...		50 11.1	M													
108 73 Ceti ξ^2																			
Jan. 8	...	2 21 43.47	...	82	4 57.2	M													
Dec. 8	...	21 43.59	...		4 59.8	R													
10	...	21 43.54	...		5 0.8	R													
11	...	21 43.03	...		5 0.6	R													
17	...	21 43.58	...		4 58.6	R													
18	...	21 43.56	...		5 0.2	R													
19	...	21 43.58	...		4 59.7	R													
26	...	21 43.55	...		4 58.0	R													
30	...	21 43.55	...		4 58.5	R													
109 κ Eridani.																			
Nov. 22	4.5	2 22 38.12 ²⁵	...	138	14 50.0	R													
25	4.6	22 38.43	...		14 49.7	R													
26	4.6	22 38.15	...		14 51.6	R													
110 75 Ceti.																			
Jan. 9	5.7	2 26 0.06	...	91	84 11.7	M													
10	5.4	26 0.07	...		84 10.9	M													
24	5.6	25 59.89	...		84 12.6	M													
111 76 Ceti σ																			
Jan. 11	...	2 26 21.31	...	4	105 46 35.9	M													
16	...	26 21.17	...		46 35.3	M													
27	...	26 21.19	...		46 38.9	M													
112 78 Ceti ν																			
Jan. 17	4.8	2 29 31.50	...	84	56 8.6	M													
113 81 Ceti.																			
Jan. 4	5.8	2 31 36.01	...	93	55 15.9	M													
18	5.7	31 36.10	...		55 14.1	M													
20	5.7	31 36.11	...		55 16.4	M													

51.46
67
52

21.25

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56.67

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82

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45.54
43.55
61

33.05
3.08
21
10

Separate Results of Madras Meridian Circle Observations in 1879.

Number and Date.	Magnitude.	Mean Right Ascension 1879.			No. of Wires.	Mean Polar Distance 1879.			Observer.	Number and Date.	Magnitude.	Mean Right Ascension 1879.			No. of Wires.	Mean Polar Distance 1879.			Observer.
		h.	m.	s.		.	'	"				h.	m.	s.		.	'	"	
114 η Horologii.																			
(10) 24.88 25.05 -94	Jan. 23	5.4	2 33	24.90	...	143	4	0.8	M	Dec. 10	7.0	2 37	34.11	...	72	44	58.8	R	34.0
	Nov. 25	5.6	33 24	24.75	...		4	2.8	R	12	7.0	37 34.11	...		44	58.5	R	14	
	26	5.6	33 24	24.98	...		4	4.1	R	19	7.0	37 34.03	...		44	59.0	R		
					...					26	7.0	37 34.11	...		44	56.6	R	10.9	
115 83 Ceti ϵ																			
42.54	Jan. 7	4.6	2 33	42.76	...	102	23	12.3	M	123 1 Eridani τ^1									
	8	4.6	33 42	42.77	...		23	11.8	M	Jan. 16	4.9	2 39	27.44	...	109	5	7.6	M	
	29	4.7	33 42	42.83	...		23	11.2	M	17	4.6	39 27.37	...		5	8.9	M		
	Nov. 20	4.6	33 42	42.89	...		23	11.7	R	31	4.7	39 27.27	...		5	8.2	M		
116 Taylor 906.																			
(15) 11.18 35 27 -24	Jan. 24	5.0	2 35	11.15	...	133	24	42.1	M	124 39 Arietis.									
	Nov. 27	5.0	35 11	11.13	...		24	46.1	R	Jan. 10	4.3	2 40	42.32	...	61	15	24.1	M	
	Dec. 1	5.0	35 11	11.36	...		24	41.5	R	11	4.4	40 42.47	...		15	24.7	M		
	3	5.0	35 11	11.41	...		24	39.5	R	20	4.8	40 42.47	...		15	25.3	M		
117 13 Persei θ																			
(55) 56.49 43 23 42	Jan. 27	4.2	2 35	56.55	...	41	17	3.9	M	125 Lacaille 893.									
	Dec. 5	4.0	35 56	56.38	...	4	17	3.9	R	Jan. 18	6.0	2 41	20.33	...	157	13	28.3	M	
	6	4.0	35 56	56.33	...		17	3.2	R	Nov. 20	5.6	41 20.52	...		13	26.4	R	17.52	
	8	4.2	35 56	56.42	...		17	5.7	R	27	5.0	41 20.33	...		13	24.0	R	20.11	
					...					28	5.6	41 20.40	...		13	24.6	R		
118 35 Arietis.																			
	Jan. 28	4.4	2 36	21.58	...	62	48	32.3	M	126 42 Arietis π									
	Dec. 17	4.0	36 21	21.26	...	48	30.0		R	Dec. 3	5.2	2 42	32.37	...	73	2	24.9	R	32.41
119 ζ Horologii.																			
	Jan. 9	5.8	2 36	53.85	...	145	4	7.8	M	5	5.0	42 32.30	...		2	23.8	R	42	
120 Lalande 5033.																			
54.58	Dec. 9	8.0	2 36	54.61	...	72	58	1.0	R	6	5.2	42 32.31	...		2	25.2	R	35	
	11	8.0	36 54	54.62	...		58	1.7	R	8	...	42 32.40	...		2	24.9	R	41	
	18	8.0	36 54	54.61	...		58	1.1	R	9	5.0	42 32.51	...		2	24.5	R	51	
	20	8.0	36 54	54.53	...		58	2.7	R	127 γ Horologii.									
121 86 Ceti γ^2																			
	Jan. 15	...	2 37	1.79	...	87	16	30.5	M	Dec. 20	5.6	2 42	52.40	...	154	12	47.9	R	52.40
	Dec. 2	...	37 1	1.92	...	16	30.0		R	30	5.0	42 52.51	...		12	45.3	R		
122 36 Arietis.																			
123 1 Eridani τ^1																			
124 39 Arietis.																			
125 Lacaille 893.																			
126 42 Arietis π																			
127 γ Horologii.																			
128 γ Fornacis.																			
129 η^2 Fornacis.																			

Separate Results of Madras Meridian Circle Observations in 1879.

Number and Date.	Magnitude.	Mean Right Ascension 1879.			No. of Wires.	Mean Polar Distance 1879.			Observer.	Number and Date.	Magnitude.	Mean Right Ascension 1879.			No. of Wires.	Mean Polar Distance 1879.			Observer.
		h.	m.	s.		°	'	"				h.	m.	s.		°	'	"	
130 2 Eridani τ^2										137 4 Eridani.									
Jan. 27	4.7	2	45	92.91	...	111	30	11.9	M	Jan. 8	5.4	2	52	0.90	...	114	20	52.8	M
										28	5.6		52	1.12	...		20	52.1	M
131 η^3 Fornacis.										138 6 Eridani.									
Jan. 7	5.8	2	45	47.04	...	126	10	28.2	M	Jan. 31	5.6	2	52	42.07	...	114	5	38.0	M
Nov. 24	5.6		45	47.24	...		10	27.2	R										
132 44 Arietis ρ^1										139 50 Arietis.									
Dec. 1	7.0	2	48	8.34	...	72	45	30.8	R	Dec. 1	7.5	2	53	43.56	4	72	25	33.9	R
2	7.2		48	8.40	...		45	30.5	R	2	7.5		53	43.56	4		25	33.2	R
3	7.5		48	8.43	5		45	30.5	R	3	7.2		53	43.38	...		25	33.4	R
5	7.5		48	8.49	...		45	30.0	R	9	7.0		53	43.50	...		25	34.6	R
10	7.3		48	8.52	...		45	31.9	R	10	7.6		53	43.46	...		25	35.4	R
12	7.0		48	8.44	...		45	31.9	R	12	7.2		53	43.53	...		25	35.0	R
19	7.2		48	8.39	...		45	31.6	R	17	7.8		53	43.43	...		25	33.8	R
26	7.0		48	8.26	...		45	28.6	R	19	7.8		53	43.36	...		25	35.3	R
										26	7.2		53	43.23	...		25	31.9	R
133 Lacaille 943.										140 8 Eridani ρ^1									
Nov. 20	5.6	2	40	7.16	...	158	1	7.4	R	Jan. 11	5.5	2	55	18.26	...	98	8	26.0	M
22	5.6		40	8.08	...		1	6.6	R	17	5.7		55	18.09	...		8	24.8	M
27	5.6		40	8.27	...		1	8.4	R	29	5.4		55	13.14	...		8	23.5	M
28	5.6		40	8.26	...		1	9.1	R	Nov. 21	5.6		55	12.06	...		8	23.4	R
										24	5.6		55	13.17	...		8	26.1	R
134 46 Arietis ρ^3										141 92 Ceti α , Menkar.									
Dec. 6	7.1	2	49	36.16	...	72	27	38.4	R	Jan. 30	...	2	55	57.37	...	86	23	5.0	M
9	7.2		49	36.41	...		27	38.3	R	Nov. 22	...		55	57.22	...		23	8.8	R
17	7.6		49	36.46	...		27	38.4	R										
20	7.5		49	36.24	...		27	39.6	R										
135 22 Persei π										142 23 Persei γ									
Jan. 9	5.2	2	51	1.80	...	50	49	23.0	M	Jan. 15	...	2	56	2.13	...	36	58	7.2	M
16	5.0		51	1.80	...		49	22.3	M	24	...		56	2.25	...		58	7.7	M
136 Lalande 5456.										143 Radcliffe 860.									
Dec. 8	8.5	2	51	7.73	...	72	40	27.5	R	Jan. 23	5.0	2	56	27.53	...	98	46	14.8	M
11	8.0		51	7.84	...		40	28.1	R										
18	8.0		51	7.73	...		40	27.3	R										
30	8.0		51	7.69	...		40	25.6	R										
144 9 Eridani ρ^3																			
Jan. 10	5.0	2	56	45.99	...	98	9	43.9	M										

8.48
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7.76 7.42
84 7.24
85 7.66

34.20
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7.73
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43.53
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48
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12.91

37.27

27.96

Separate Results of Madras Meridian Circle Observations in 1879.

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46.44

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874

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15.54

14.69

53.00

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36.52

49.25

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22

Number and Date.	Magnitude.	Mean Right Ascension 1879.			No of Wires.	Mean Polar Distance 1879.			Observer.	Number and Date.	Magnitude.	Mean Right Ascension 1879.			No of Wires.	Mean Polar Distance 1879.			Observer.
		h.	m.	s.		o.	'	"				h.	m.	s.		o.	'	"	
158 <i>15 Eridani.</i>										166 <i>Radcliffe 962.</i>									
Jan. 11	...	3	18	1.26	...	112	57	16.2	M	Jan. 7	4.2	8	20	16.25	...	31	32	29.2	M
30	...	18	1.18	...	...	57	14.0	M	29	4.5	20	16.13	...	...	32	27.2	M		
Nov. 27	...	18	1.08	...	...	57	16.8	R	Nov. 27	4.2	20	15.97	...	...	32	30.4	R		
159 <i>e Eridani.</i>										167 <i>Radcliffe 969.</i>									
Jan. 28	4.4	3	15	5.90	...	133	32	1.3	M	Jan. 20	5.2	3	20	46.93	...	34	58	6.9	M
160 ζ^1 <i>Reticuli.</i>										168 <i>Anon.</i>									
Jan. 9	5.5	3	15	8.90	...	163	2	21.1	M	Dec. 10	10.0	3	21	14.72	...	71	56	26.1	R
										18	10.0	21	14.79	4	56	27.1	R		
										26	9.6	21	14.76	...	56	27.1	R		
161 ζ^2 <i>Reticuli.</i>										169 <i>35 Persei σ</i>									
Jan. 31	5.4	3	15	35.18	...	152	58	9.1	M	Jan. 24	...	3	22	3.00	...	42	25	27.8	M
162 <i>33 Persei α</i>										170 <i>Anon.</i>									
Jan. 4	...	3	15	41.45	...	40	84	15.7	M	Dec. 9	9.8	3	22	52.90	...	71	40	44.7	R
163 <i>Anon.</i>										17	9.4	22	58.03	...	40	44.1	R		
Dec. 9	9.2	3	15	46.43	...	71	52	37.0	R	20	9.4	22	52.88	...	40	45.6	R		
10	9.2	16	40.31	...	52	37.2	R												
12	9.3	16	46.38	...	52	37.7	R												
17	9.4	16	46.37	...	52	36.0	R												
18	9.5	16	46.37	...	52	37.4	R												
20	9.8	16	46.43	...	52	38.0	R												
26	9.3	16	46.28	...	52	34.3	R												
164 <i>Radcliffe 956.</i>										171 <i>17 Eridani.</i>									
Jan. 15	4.5	3	19	17.01	...	30	28	59.3	M	Jan. 17	4.6	3	24	36.86	...	95	29	27.7	M
16	4.3	19	17.00	...	29	0.3	M			27	4.7	24	36.96	...	29	25.6	M		
18	4.5	19	17.03	...	29	0.8	M			Dec. 8	5.3	24	36.93	...	29	28.3	R		
Nov. 28	4.0	19	17.28	...	28	59.7	R			172 <i>Lalande 6483.</i>									
165 <i>Lalande 6341.</i>										Dec. 5	9.0	3	24	49.21	...	71	36	49.5	R
Dec. 1	7.8	3	20	8.75	...	71	40	6.9	R	6	9.0	24	49.15	...	36	51.5	R		
3	...	20	8.78	...	5	40	0.8	R	11	9.0	24	49.89	...	36	51.5	R			
6	8.0	20	8.82	...	40	6.7	R		12	9.0	24	49.24	...	36	51.4	R			
11	8.0	20	8.82	...	40	7.9	R		19	8.5	24	49.20	...	36	50.8	R			
30	7.5	20	8.81	...	40	5.9	R		80	8.8	24	49.21	...	36	48.9	R			
173 ζ^4 <i>Eridani.</i>										173 ζ^4 <i>Eridani.</i>									
Jan. 28	5.7	3	25	54.79	...	131	46	48.6	M	Jan. 28	5.7	3	25	54.79	...	131	46	48.6	M
Feb. 3	5.5	25	54.76	...	46	46.0	R			Nov. 28	5.6	25	54.91	...	46	45.3	R		
Nov. 28	5.6	25	54.91	...	46	45.3	R												

Separate Results of Madras Meridian Circle Observations in 1879.

Number and Date.	Magnitude.	Mean Right Ascension 1879.			No. of Wires.	Mean Polar Distance 1879.			Observer.	Number and Date.	Magnitude.	Mean Right Ascension 1879.			No. of Wires.	Mean Polar Distance 1879.			Observer.
		h.	m.	s.		o.	'	"				h.	m.	s.		o.	'	"	
174 <i>R. P. L. 34.</i>										181 <i>τ Fornacis.</i>									
Jan. 10	...	3	27	2'08	2	3	44	15'7	M	Jan. 16	5'5	3	33	45'72	...	118	20	22'4	M
<i>R. P. L. 34.—s.p.</i>										24 5'7 33 45'65 ... 20 18'5 M									
July 10	...	3	26	59'49	3	3	44	13'7	M	182 <i>22 Eridani.</i>									
175 <i>37 Persei ψ</i>										Jan. 23	5'7	3	34	39'25	...	95	36	9'1	M
Jan. 8	...	3	27	53'58	...	42	12	39'3	M	27	5'5	34	39'00	...	36	9'1	M		
25	...	27	53'47	...	12	40'4	M	Dec. 1	5'6	34	39'42	...	36	9'5	R				
Nov. 27	...	27	53'28	...	12	38'9	R	183 <i>Radclyffe 1039.</i>											
176 <i>Lacaille 1164.</i>										Jan. 7	5'0	3	35	28'16	...	27	2	21'8	M
Jan. 31	5'6	3	29	37'65	...	156	53	57'2	M	28	5'0	35	28'43	...	2	17'7	M		
177 <i>Lalande 6656.</i>										184 <i>38 Persei o</i>									
Dec. 2	9'3	3	30	26'27	...	71	48	12'7	R	Jan. 9	4'4	3	36	44'06	...	58	5	48'2	M
3	...	30	26'29	...	4	48	13'0	R	30	4'3	36	44'08	...	5	49'3	M			
6	9'4	30	26'28	...	48	14'3	R	Dec. 20	4'0	36	43'91	...	5	48'6	R				
9	9'3	30	26'43	...	48	15'0	R	185 <i>41 Persei ν</i>											
10	9'4	30	26'37	...	48	16'3	R	Dec. 3	4'0	3	36	53'48	...	47	48	16'3	R		
11	9'3	30	26'28	...	48	16'7	R	186 <i>16 Tauri, Caelæus.</i>											
17	9'4	30	26'25	...	48	14'0	R	Feb. 1	6'0	3	37	36'77	...	66	5	32'3	R		
19	9'0	30	26'27	...	48	15'2	R	Dec. 2	5'6	37	36'63	...	5	34'3	R				
30	9'0	30	26'39	...	48	13'3	R	187 <i>24 Tauri.</i>											
178 <i>10 Tauri.</i>										Jan. 17	7'4	3	40	9'58	...	66	15	35'6	M
Jan. 4	4'6	3	30	41'92	...	89	58	59'6	M	31	7'4	40	9'66	...	15	34'9	M		
20	4'7	30	41'78	...	59	0'7	M	Dec. 26	7'0	40	9'54	...	15	34'4	R				
179 <i>γ Eridani.</i>										188 <i>25 Tauri η, Aleyone.</i>									
Jan. 11	5'4	3	32	45'32	...	130	40	22'6	M	Jan. 15	...	3	40	17'40	...	66	16	14'2	M
18	5'0	32	44'96	...	40	22'3	M	Dec. 5	...	40	17'54	...	16	12'5	R				
Feb. 3	5'0	32	45'21	...	40	21'0	R	189 <i>W. B. N. III. 883.</i>											
Nov. 28	5'0	32	45'02	...	40	20'9	R	Dec. 1	9'5	3	41	0'35	...	71	42	42'9	R		
Dec. 18	5'0	32	45'19	...	40	22'9	R	9	9'5	41	0'29	...	42	42'2	R				
180 <i>Lacaille 1188.</i>										10	9'5	41	0'24	...	42	42'7	R		
Jan. 29	5'8	3	33	3'22	...	156	9	58'4	M										
Dec. 26	5'6	33	3'24	...	9	58'5	R												

27 0'78

53'26

36'31

33

28

141

22

23

36'98

43'92

58'61

36'66

9'54

17'59

3'84

0'20

Separate Results of Madras Meridian Circle Observations in 1879.

0.11
.12
.28

Number and Date.	Magnitude.	Mean Right Ascension 1879.			No. of Wires.	Mean Polar Distance 1879.			Observer.	Number and Date.	Magnitude.	Mean Right Ascension 1879.			No. of Wires.	Mean Polar Distance 1879.			Observer.	
		h.	m.	s.		o.	'	"				h.	m.	s.		o.	'	"		
Dec. 11	9.4	3	41	0.15	...	71	42	43.6	R	197 <i>32 Eridani—South.</i>	Jan. 18	5.4	3	48	12.04	...	03	13	52.4	M
12	9.5	41	0.15	...	42	44.0	R	29	5.0		48	12.71	...	18	48.8	M				
17	9.5	41	0.36	...	42	41.7	R	Feb. 3	5.0		48	12.78	...	18	49.6	R				
18	9.5	41	0.19	...	42	43.6	R	5	5.0		48	12.82	...	18	40.2	R				
30	9.2	41	0.84	...	42	41.9	R													
190	<i>Taylor 1304.</i>									198 <i>33 Eridani τ³</i>	Jan. 28	5.4	3	48	33.76	...	114	58	13.3	M
Feb. 4	5.6	3	41	30.40	...	137	44	13.7	R		30	5.0	48	33.65	...	58	14.0	M		
191	<i>27 Tauri, Atlas.</i>									Feb. 4	5.0	48	33.78	...	58	16.9	R			
Jan. 20	5.2	3	41	58.10	...	06	19	5.6	M	6	5.0	48	33.91	...	58	15.2	R			
192	<i>28 Tauri, Pleione.</i>									Dec. 18	5.0	48	33.81	...	58	18.8	R			
Feb. 3	5.5	3	41	59.37	...	06	14	5.1	R	199 <i>ν³ Eridani.</i>	Dec. 30	5.0	3	49	2.39	...	125	5	23.9	R
193	<i>f¹ Eridani.</i>									200 <i>45 Persei ε</i>	Jan. 7	...	3	49	44.49	...	50	20	31.3	M
Nov. 28	5.5	3	44	7.70	...	127	59	33.4	R	25	...	49	44.36	...	20	31.3	M			
194	<i>Lalande 7131.</i>									201 <i>46 Persei ξ</i>	Jan. 8	...	3	51	0.86	...	54	33	23.9	M
Dec. 2	9.3	3	45	20.3 ⁴ ₅	...	71	26	48.9	R	9	...	51	7.11	...	33	30.9	M			
3	9.4	45	20.2 ¹ ₅	4	26	46.8	R	31	...	51	7.15	...	33	28.8	M					
5	9.3	45	20.2 ¹¹ ₅	...	26	47.3	R	Dec. 10	...	51	0.8 ² ₇	...	33	30.0	R					
6	9.3	45	20.3 ¹¹ ₅	6	26	40.2	R	11	...	51	0.8 ² ₇	...	33	20.9	R					
9	9.4	45	20.3 ¹¹ ₅	...	26	48.2	R	202 <i>34 Eridani γ¹</i>	Jan. 13	...	3	52	22.91	...	108	51	13.7	M		
10	9.5	45	20.3 ¹¹ ₅	...	26	49.0	R	14	...	52	23.04	...	51	14.4	M					
11	9.5	45	20.3 ¹¹ ₅	...	26	49.3	R	16	...	52	22.98	...	51	14.6	M					
17	9.1	45	20.4 ⁵ ₅	...	26	48.2	R	Dec. 17	...	52	23.01	...	51	13.1	R					
19	9.2	45	20.3 ¹¹ ₅	...	26	50.4	R	203 <i>36 Eridani τ⁰</i>	Jan. 20	5.0	3	54	46.01	...	114	21	37.3	M		
195	<i>44 Persei ζ</i>									27	5.0	54	46.04	...	21	36.5	M			
Jan. 4	...	3	46	31.55	...	58	23	38.6	M	Feb. 1	5.3	54	45.86	...	21	34.9	R			
11	...	46	31.72	...	23	37.5	M	4	5.0	54	46.11	...	21	38.1	R					
Feb. 1	...	46	31.81	...	23	37.0	R													
Dec. 12	...	46	31.6 ² ₅	...	23	33.9	R													
196	<i>Radcliffe 1089.</i>																			
Jan. 23	5.0	3	46	45.77	...	27	17	4.6	M											
24	5.1	46	45.80	...	17	4.7	M													

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33.63

6.55
.77

23.02

Separate Results of Madras Meridian Circle Observations in 1879.

Number and Date.	Magnitude.	Mean Right Ascension. 1879.			No. of Wires.	Mean Polar Distance. 1879.			Observer.	Number and Date.	Magnitude.	Mean Right Ascension 1879.			No. of Wires.	Mean Polar Distance 1879.			Observer.
		h.	m.	s.		.	'	"				h.	m.	s.		o.	'	"	
204 35 Eridani.																			
Feb. 3	5.0	3	55	24.13	...	91	53	23.8	R										
5	5.1		55	24.15	...		53	22.5	R	Jan. 16	4.7	4	6	1.18	...	41	53	59.9	M
6	5.0		55	24.31	...		53	20.8	R	24	4.4		6	1.05	...	54	0.6		M
205 38 Tauri v																			
Dec. 30	...	3	56	43.18	...	84	20	50.6	R										
206 47 Persei λ																			
Jan. 15	4.9	3	57	34.50	...	39	58	43.3	M										
23	4.5		57	34.52	...		58	45.2	M										
207 R. P. L. 35.																			
Dec. 11	...	3	59	^{4.24} 6.61	3	4	45	57.4	R										
19	...		59	5.90	3		45	56.5	R										
20	...		59	^{3.5} 4.25	3		45	59.0	R										
26	...		59	^{2.1} 5.03	3		45	56.0	R										
208 ε Reticuli.																			
Jan. 17	5.2	3	59	20.54	...	151	25	6.1	M										
28	5.0		99	20.72	...		25	5.3	M										
209 48 Persei c.																			
Jan. 30	...	3	59	52.83	...	42	36	44.3	M										
Feb. 4	...		59	52.88	...		36	43.9	R										
210 Taylor 1438.																			
Jan. 9	5.6	4	3	26.71	...	139	57	12.2	M										
10	5.5		3	26.59	...		57	9.8	M										
Feb. 1	6.0		3	26.52	...		57	9.4	R										
5	5.7		3	26.35	...		57	10.4	R										
6	5.7		3	26.65	...		57	9.3	R										
211 38 Eridani o ¹																			
Feb. 3	...	4	5	57.47	...	97	9	16.3	R										
Dec. 11	...		5	57.46	...		9	15.5	R										
26	...		5	57.49	...		9	12.3	R										
30	...		5	57.49	...		9	13.4	R										
212 51 Persei μ																			
Jan. 16	4.7	4	6	1.18	...	41	53	59.9	M										
24	4.4		6	1.05	...		54	0.6	M										
213 52 Persei f.																			
Jan. 25	5.1	4	6	39.41	...	49	49	29.9	M										
29	5.0		6	39.31	...		49	27.5	M										
Feb. 8	5.0		6	39.19	...		49	28.5	R										
Dec. 20	5.0		6	39.34	...		49	29.2	R										
214 39 Eridani A.																			
Jan. 20	5.0	4	3	38.45	...	100	33	28.4	M										
Dec. 17	5.0		3	38.32	...		33	27.5	R										
215 49 Tauri μ																			
Jan. 23	...	4	3	57.84	...	81	24	41.4	M										
30	...		3	57.71	...		24	42.4	M										
Feb. 1	...		3	58.01	...		24	41.2	R										
5	...		3	57.94	...		24	42.3	R										
6	...		3	57.99	...		24	40.3	R										
216 b ¹ Persei.																			
Jan. 14	...	4	9	8.94	...	40	0	13.4	M										
31	5.0		9	9.01	...		0	15.1	M										
Dec. 8	5.0		9	8.99	...		0	15.2	R										
18	5.0		9	8.94	...		0	15.9	R										
19	5.0		9	8.84	...		0	15.3	R										
217 40 Eridani o ²																			
Jan. 27	4.6	4	9	42.30	...	97	50	32.0	M										
218 a Horologii.																			
Jan. 18	5.0	4	9	59.44	...	132	35	38.5	M										
28	5.0		9	59.40	...		35	35.1	M										
Feb. 4	5.0		9	59.48	...		35	36.5	R										

4.34
9.5
5.21

34.33

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8.87
8.7

57.51
4

Separate Results of Madras Meridian Circle Observations in 1879.

Number and Date.	Magnitude.	Mean Right Ascension 1879.			No. of Wires.	Mean Polar Distance 1879.			Observer.	Number and Date.	Magnitude.	Mean Right Ascension 1879.			No. of Wires.	Mean Polar Distance 1879.			Observer.	
		h.	m.	s.		o.	'	"				h.	m.	s.		o.	'	"		
219 <i>52 Tauri</i> ϕ																				
Jan. 7	5.3	4	12	54.80	...	62	56	26.5	M	225	<i>η Reticuli.</i>									
8	5.5		12	54.84	...		56	26.7	M		Feb. 12	5.0	4	20	35.04	...	158	40	26.5	R
13	5.7		12	54.94	...		56	26.6	M		13	5.1		20	35.11	...		40	25.5	R
17	5.1		12	54.86	...		56	22.6	M		16	5.2		20	35.27	...		40	25.1	R
Feb. 8	5.0		12	54.84	...		56	26.0	R		Dec. 10	5.0		20	35.18	...		40	26.9	R
											12	5.0		20	34.98	...		40	28.7	R
220 ψ <i>Horologii</i> —1st.																				
Jan. 29	5.0	4	15	26.88	...	134	33	29.8	M	226	<i>74 Tauri</i> ϵ									
Feb. 1	5.3		15	26.78	...		33	28.1	R		Jan. 20	...	4	21	38.05	...	71	5	28.5	M
4	5.0		15	26.78	...		33	30.4	R		29	...		21	38.08	...		5	28.0	M
5	5.0		15	26.79	...		33	30.6	R		Feb. 5	...		21	38.09	...		5	28.7	R
											8	...		21	38.07	...		5	28.0	R
221 <i>64 Tauri</i> δ^2																				
Jan. 15	4.7	4	17	7.34	...	72	50	18.8	M	227	<i>77 Tauri</i> θ^1									
24	4.8		17	7.20	...		50	18.6	M		Jan. 16	...	4	21	39.88	...	74	18	27.9	M
31	4.6		17	7.23	...		50	18.7	M		17	...		21	39.79	...		18	28.7	M
Feb. 8	4.7		17	7.08	...		50	17.4	R		28	...		21	39.79	...		18	28.4	M
Dec. 8	4.6		17	7.88	...		50	17.9	R		Feb. 1	...		21	39.89	...		18	26.1	R
222 <i>68 Tauri</i> δ^3																				
Jan. 9	...	4	18	29.40	...	72	21	2.1	M	228	<i>78 Tauri</i> θ^2									
10	...		18	29.28	...		21	0.8	M		Jan. 8	...	4	21	45.19	...	74	28	56.7	M
28	...		18	29.43	...		21	0.8	M		13	...		21	45.35	...		23	57.9	M
Dec. 9	...		18	29.54	...		21	3.2	R		18	...		21	45.32	...		23	57.4	M
											11	...		18	29.27	...		21	45.19	...		23	57.0	R
223 <i>Taylor 1537.</i>																				
Jan. 27	5.8	4	18	41.57	...	125	49	39.0	M	229	<i>86 Tauri</i> ρ									
30	5.8		18	41.84	...		49	38.5	M		Feb. 6	5.1	4	26	59.00	...	72	24	40.8	R
Feb. 6	5.8		18	41.94	...		49	38.8	R		10	5.0		26	58.86	...		24	40.4	R
Dec. 17	5.6		18	41.43	...		49	38.4	R		11	5.0		26	58.88	...		24	39.8	R
											20	5.6		18	41.41	...		49	40.5	R	Dec. 17	5.0		26	58.82	...		24	40.8	R
224 <i>73 Tauri</i> π																				
Jan. 14	...	4	19	46.23	...	5	75	33	39.7	M	230	<i>47 Eridani.</i>								
25	5.0		19	46.48	...		33	42.3	M	Dec. 12		5.0	4	28	29.88	...	98	29	6.5	R
Dec. 26	5.0		19	46.28	...		33	38.2	R											

35.24
32

55.02

7.08

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46.28

58.87

2.93

Separate Results of Madras Meridian Circle Observations in 1879.

Number and Date.	Magnitude.	Mean Right Ascension 1879.		No. of Wires.	Mean Polar Distance 1879.			Observer.	Number and Date.	Magnitude.	Mean Right Ascension 1879.		No. of Wires.	Mean Polar Distance 1879.			Observer.
		h.	m.		s.	°	'				"	h.		m.	s.	°	
231 50 Eridani ν^6																	
Feb. 8	4.6	4	28	45.64	...	120	0	44.1	R								
18	4.6	28	45.85	...			0	41.9	R								
15	4.6	28	45.58	...			0	42.9	R								
Dec. 19	4.5	28	45.75	...			0	46.2	R								
20	4.5	28	45.84	...			0	46.6	R								
232 87 Tauri α , Aldebaran.																	
Jan. 7	...	4	28	58.64	...	78	44	9.1	M								
9	...	28	58.70	...			44	9.7	M								
11	...	28	58.66	...			44	10.4	M								
14	...	28	58.71	...			44	7.2	M								
24	...	28	58.79	...			44	10.2	M								
31	...	28	58.75	...			44	8.9	M								
233 88 Tauri δ .																	
Feb. 7	5.0	4	29	0.23	...	80	5	19.0	R								
12	5.0	29	0.40	...			5	18.9	R								
234 90 Tauri ϵ^1 .																	
Feb. 11	...	4	31	23.61	...	77	43	58.5	R								
Dec. 26	...	31	23.37	...			43	57.9	R								
235 51 Eridani ϵ .																	
Feb. 3	5.6	4	31	30.53	...	92	43	1.2	R								
10	5.6	31	30.77	...			42	59.6	R								
236 93 Tauri ϵ^2 .																	
Feb. 12	5.0	4	33	19.20	...	78	2	26.8	R								
18	5.0	33	19.26	...			2	25.1	R								
15	5.0	33	19.33	...			2	25.3	R								
Dec. 17	5.0	33	19.20	...			2	26.4	R								
18	5.0	33	19.25	...			2	27.6	R								
237 α Caeli.																	
Feb. 4	4.6	4	36	39.64	...	132	5	44.7	R								
5	4.6	36	39.65	...			5	44.8	R								
8	4.6	36	39.46	...			5	45.0	R								
Dec. 19	4.5	36	39.71	...			5	45.8	R								
238 4 Camelopardi.																	
Feb. 6	5.2	4	37	55.71	...	83	27	35.0	R								
7	5.1	37	55.71	...			27	35.2	R								
14	5.0	37	55.53	...			27	35.4	R								
239 Taylor 1669.																	
Feb. 3	5.7	4	38	28.48	...	120	59	29.6	R								
10	5.6	38	28.54	...			59	28.6	R								
13	5.5	38	28.56	...			59	27.8	R								
Dec. 18	5.6	38	28.79	...			59	28.3	R								
20	5.6	38	28.68	...			59	29.3	R								
240 57 Eridani μ																	
Feb. 11	...	4	39	27.05	...	93	28	37.8	R								
15	...	39	27.18	...			28	37.3	R								
241 λ Caeli.																	
Feb. 12	5.2	4	39	45.56	...	131	17	26.4	R								
17	5.6	39	45.48	...			17	26.2	R								
Dec. 26	5.6	39	45.51	...			17	25.0	R								
242 ζ Caeli.																	
Feb. 5	5.8	4	41	50.10	...	129	34	33.0	R								
243 1 Orionis π^1																	
Feb. 8	...	4	43	16.14	...	83	15	4.9	R								
244 2 Orionis π^2																	
Feb. 4	...	4	44	1.13	...	81	18	30.3	R								
7	...	44	1.10	...			18	29.8	R								
Dec. 19	...	44	0.96	...			18	30.2	R								
245 3 Orionis π^3																	
Feb. 3	4.3	4	44	45.94	...	84	36	11.4	R								
10	4.0	44	45.73	...			36	10.6	R								

45.92

23.36

19.15

28.52

165

45.87

Separate Results of Madras Meridian Circle Observations in 1879.

Number and Date.	Magnitude.	Mean Right Ascension 1879.			No. of Wires.	Mean Polar Distance 1879.			Observer.
		h.	m.	s.		°	'	"	
246 4 Orionis α^1									
Feb. 6	5.0	4 45	41.40	...	75	57	8.1	R	
11	5.0	45	41.15	...	57	8.5	R		
14	5.0	45	41.24	...	57	8.0	R		
247 ν Cæli.									
Feb. 13	5.6	4 46	20.16	...	131	31	48.9	R	
15	5.7	46	20.27	4	31	49.5	R		
248 61 Eridani ω									
Feb. 12	...	4 46	57.00	...	95	39	20.8	R	
17	...	46	57.14	...	39	20.8	R		
Dec. 20	...	46	56.95	...	39	24.4	R		
249 3 Aurigæ ι									
Jan. 7	...	4 49	6.78	...	57	1	38.7	M	
8	...	49	6.98	...	1	38.4	M		
9	...	49	6.81	...	1	39.2	M		
10	...	49	6.91	...	1	37.1	M		
14	...	49	6.80	...	1	39.9	M		
16	...	49	6.91	...	1	38.8	M		
17	...	49	6.91	...	1	38.7	M		
20	...	49	6.95	...	1	39.7	M		
23	...	49	6.97	...	1	40.0	M		
24	...	49	6.89	...	1	41.2	M		
25	...	49	6.97	...	1	41.4	M		
27	...	49	6.98	...	1	37.2	M		
28	...	49	6.98	...	1	36.6	M		
29	...	49	6.85	...	1	37.5	M		
30	...	49	7.01	...	1	37.9	M		
31	...	49	6.94	...	1	40.1	M		
250 9 Orionis α^2									
Feb. 5	...	4 49	34.00	...	76	40	42.3	R	
8	...	49	33.89	...	40	41.4	R		
Dec. 30	...	49	33.99	...	40	41.6	R		
251 4 Aurigæ.									
Feb. 3	5.0	4 51	2.51	...	52	17	39.5	R	
4	5.0	51	2.59	...	17	39.7	R		
252 10 Camelopardi β									
Feb. 18	...	4 52	39.79	...	29	44	13.3	R	
19	...	52	39.99	...	44	15.2	R		
253 8 Aurigæ ζ									
Feb. 6	4.0	4 54	0.97	...	49	6	9.7	R	
8	4.1	54	1.09	...	6	10.4	R		
10	4.2	54	1.14	...	6	9.8	R		
254 63 Eridani.									
Feb. 7	...	4 54	6.96	...	100	26	30.0	R	
18	...	54	7.01	4	26	28.2	R		
20	...	54	7.15	...	26	31.2	R		
255 65 Eridani ψ									
Feb. 14	5.0	4 55	34.25	...	97	21	9.8	R	
15	5.1	55	34.31	...	21	9.0	R		
256 Taylor 1806.									
Feb. 5	5.0	4 57	14.51	4	116	26	51.1	R	
17	5.0	57	14.64	...	26	52.3	R		
257 η^1 Pictoris.									
Feb. 3	5.5	4 59	38.60	...	139	19	23.5	R	
8	5.6	59	38.66	...	19	23.7	R		
12	5.5	59	38.75	5	19	22.3	R		
258 Taylor 1836.									
Feb. 15	7.2	5 0	7.50	...	139	39	42.5	R	
20	7.2	0	7.75	...	39	41.3	R		
259 2 Leporis ϵ									
Jan. 10	...	5 0	20.25	...	112	32	4.4	M	
11	...	0	20.22	...	32	5.6	M		
17	...	0	20.20	...	32	4.6	M		
18	...	0	20.26	...	32	3.5	M		
24	...	0	20.16	...	32	7.2	M		
27	...	0	20.31	...	32	5.3	M		

Separate Results of Madras Meridian Circle Observations in 1879.

Number and Date.	Magnitude.	Mean Right Ascension 1879.			No. of Wires.	Mean Polar Distance 1879.			Observer.	Number and Date.	Magnitude.	Mean Right Ascension 1879.			No. of Wires.	Mean Polar Distance 1879.			Observer.	
		h.	m.	s.		°	'	"				h.	m.	s.		°	'	"		
Jan. 29	...	5	0	20.32	...	112	32	5.0	M	266	4 <i>Leporis</i> κ									
Feb. 1	...		0	20.30	...		32	3.0	R		Feb. 18	5.1	5	7	38.42	...	103	5	8.7	R
4	...		0	20.24	...		32	3.8	R		20	5.1		7	39.02	...		5	7.6	R
6	...		0	20.25	...		32	5.5	R		24	5.1		7	38.98	...		5	6.6	R
7	...		0	20.25	...		32	4.6	R											
10	...		0	20.27	...		32	4.2	R											
13	...		0	20.27	...		32	2.9	R											
260 η^3 <i>Pictoris</i> .										267 19 <i>Orionis</i> β , <i>Rigel</i> .										
Feb. 14	5.5	5	1	49.85	...	139	44	30.6	R	Jan. 25	...	5	8	43.44	...	98	20	33.6	M	
18	5.5		1	49.86	...		44	29.1	R	28	...		8	43.21	...		20	30.6	M	
22	5.6		1	49.81	...		44	30.2	R	Feb. 4	...		8	43.37	...		20	33.9	R	
										12	...		8	43.35	...		20	32.0	R	
261 ζ <i>Doradus</i> .										268 15 <i>Aurigæ</i> λ										
Feb. 17	5.0	5	3	26.22	...	147	38	18.3	R	Feb. 11	5.0	5	10	37.95	4	50	0	37.5	R	
19	5.0		3	26.49	...		38	17.9	R	17	5.1		10	37.96	...		0	38.2	R	
Mar. 4	5.0		3	26.45	...		38	18.1	M	21	5.1		10	38.02	...		0	37.2	R	
5	5.5		3	26.51	...		38	19.2	M	Mar. 6	5.0		10	38.11	...		0	38.7	M	
262 11 <i>Aurigæ</i> μ										269 6 <i>Leporis</i> λ										
Feb. 11	5.0	5	5	8.80	...	51	39	38.5	R	Feb. 3	4.7	5	14	0.12	...	103	18	10.0	R	
21	5.1		5	9.03	...		39	36.7	R	7	4.7		13	59.96	...		18	9.4	R	
										13	4.6		14	0.20	...		18	8.3	R	
										Mar. 7	4.5		14	0.12	6		18	10.5	M	
										10	4.9		14	0.18	...		18	9.5	M	
263 3 <i>Leporis</i> ι										270 7 <i>Leporis</i> ν										
Feb. 3	4.7	5	6	38.94	...	102	0	57.1	R	Feb. 6	5.6	5	14	22.12	...	102	26	23.2	R	
7	4.8		6	39.16	...		0	55.8	R	12	5.5		14	22.28	...		26	27.3	R	
10	4.7		6	39.20	...		0	55.5	R	14	5.6		14	22.12	...		26	27.3	R	
264 17 <i>Orionis</i> ρ										271 22 <i>Orionis</i> \omicron										
Feb. 6	5.0	5	6	58.03	...	37	17	3.5	R	Feb. 17	...	5	15	35.37	...	90	30	11.1	R	
13	5.0		6	58.00	...		17	0.3	R	19	...		15	35.41	...		30	10.7	R	
19	5.0		6	58.20	...		17	2.1	R	Mar. 4	...		15	35.20	...		30	12.9	M	
Dec. 30	5.0		6	58.25	...		17	2.0	R	8	...		15	35.33	...		30	12.6	M	
										Dec. 30	...		15	35.37	...		30	12.4	R	
265 5 <i>Leporis</i> μ										272 23 <i>Orionis</i> m .										
Feb. 14	...	5	7	29.44	...	106	20	58.6	R	Feb. 18	5.1	5	16	28.74	...	86	34	26.1	R	
15	...		7	29.53	...		20	57.0	R	20	5.1		16	28.79	...		34	26.1	R	
22	...		7	29.40	...		20	57.8	R											

25.65
74
61
67

Separate Results of Madras Meridian Circle Observations in 1879.

Number and Date.	Magnitude.	Mean Right Ascension 1879.			No. of Wires.	Mean Polar Distance 1879.			Observer.	Number and Date.	Magnitude.	Mean Right Ascension 1879.			No. of Wires.	Mean Polar Distance 1879.			Observer.
		h.	m.	s.		°	'	"				h.	m.	s.		°	'	"	
273 29 Orionis ϵ .										279 31 Orionis, Var.									
Feb. 21	...	5	18	7 ³³	...	97	55	11 ⁶	R	Feb. 17	5 ⁰	5	23	35 ⁶²	...	91	11	20 ³	R
24	...		18	7 ¹²	...		55	14 ¹	R	18	5 ⁰		23	35 ⁶¹	...		11	19 ⁵	R
274 28 Orionis η										280 32 Orionis A.									
Feb. 13	...	5	18	23 ⁵²	...	92	30	34 ³	R	Feb. 13	...	5	24	13 ⁴¹	...	84	8	41 ⁷	R
22	...		18	23 ⁶³	...		80	34 ⁹	R	15	...		24	13 ⁴⁵	...		8	40 ⁶	R
Mar. 3	...		18	23 ⁷⁷	...		30	37 ⁰	M	24	...		24	13 ⁴⁸	...		8	43 ²	R
275 112 Tauri β										281 25 Aurigæ χ									
Jan. 4	...	5	18	38 ⁴³	...	61	29	43 ⁹	M	Feb. 21	5 ¹	5	24	51 ²¹	...	57	53	55 ⁴	R
13	...		18	38 ⁵⁹	...		29	43 ⁹	M	25	5 ¹		24	51 ⁰⁶	...		53	56 ⁵	R
20	...		18	38 ⁵⁹	...		29	50 ¹	M	27	5 ⁰		24	50 ⁹⁵	...		53	57 ²	R
27	...		18	38 ⁵²	...		29	43 ⁹	M	282 34 Orionis δ , var 1.									
Feb. 1	...		18	38 ⁷⁰	...		29	46 ⁹	R	Jan. 16	...	5	25	49 ⁴⁸	...	90	23	21 ⁸	M
3	...		18	38 ⁶⁷	...		29	43 ⁵	R	31	...		25	49 ³⁸	...		23	22 ⁵	M
10	...		18	38 ⁶⁵	...		29	49 ⁰	R	Feb. 7	...		25	49 ⁴⁵	...		23	22 ³	R
15	...		18	38 ⁶⁴	...		29	47 ⁰	R	8	...		25	49 ⁵¹	...		23	23 ⁴	R
276 24 Aurigæ ϕ										283 10 Leporis.									
Feb. 14	5 ³	5	19	37 ⁶⁵	...	55	87	43 ⁸	R	Feb. 3	5 ⁷	5	25	56 ⁹¹	...	110	57	16 ¹	R
Mar. 6	5 ⁰		19	37 ⁷⁷	...		87	42 ⁸	M	10	5 ⁶		25	56 ⁹⁴	...		57	15 ⁰	R
277 30 Orionis ψ^2										284 36 Orionis ν									
Feb. 6	5 ⁰	5	20	29 ³³	...	87	0	33 ⁴	R	Feb. 5	5 ⁰	5	26	4 ⁵¹	...	97	23	30 ⁶	R
7	5 ⁰		20	29 ³⁶	...		0	37 ⁴	R	6	5 ^{0*}		26	4 ⁵⁹	...		23	31 ⁰	R
8	5 ⁰		20	30 ⁰⁰	...		0	39 ⁵	R	285 11 Leporis α									
Mar. 11	5 ³		20	30 ⁰¹	...		0	38 ⁰	M	Feb. 13	...	5	27	23 ⁶⁹	...	107	54	34 ⁹	R
12	5 ⁴		20	29 ³³	...		0	37 ¹	M	22	...		27	23 ⁷⁰	...		54	35 ⁹	R
278 R. P. L. 40.										285 11 Leporis α									
Jan. 23	...	5	23	23 ³⁹	3	4	52	10 ⁰	M	285 11 Leporis α									
25	...		23	23 ⁶⁴	3		52	12 ⁰	M	Feb. 13	...	5	27	23 ⁶⁹	...	107	54	34 ⁹	R
28	...		23	23 ³³	3		52	10 ³	M	22	...		27	23 ⁷⁰	...		54	35 ⁹	R
30	...		23	23 ⁹⁰	3		52	9 ²	M	285 11 Leporis α									
Dec. 30	...		23	23 ²⁰	3		52	10 ¹	R	Feb. 13	...	5	27	23 ⁶⁹	...	107	54	34 ⁹	R
R. P. L. 40—s.p.										285 11 Leporis α									
July 15	...	5	23	23 ⁵⁴	3	4	52	13 ²	M	22	...		27	23 ⁷⁰	...		54	35 ⁹	R

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Number and Date.	Magnitude.	Mean Right Ascension 1879.			No. of Wires.	Mean Polar Distance 1879.			Observer.	Number and Date.	Magnitude.	Mean Right Ascension 1879.			No. of Wires.	Mean Polar Distance 1879.			Observer.
		h.	m.	s.		°	'	"				h.	m.	s.		°	'	"	
286 Lacaille 1895.										292 29 Aurigæ τ									
Feb. 13	5.0	5	28	46.87	...	128	35	54.6	R	Feb. 3	...	5	40	47.40	...	50	51	44.1	R
19	5.8	28	46.89	...		35	55.8	R	5	...	40	47.27	...		51	44.2	R		
Mar. 4	5.3	28	46.97	...		35	55.4	M	7	...	40	47.40	...		51	44.9	R		
11	5.4	28	46.80	...		35	55.9	M	Mar. 4	...	40	47.52	...		51	40.5	M		
287 42 Orionis c.										293 132 Tauri.									
Feb. 20	5.0	5	29	25.12	...	94	55	7.9	R	Feb. 6	5.0	5	41	35.33	...	65	28	29.1	R
27	5.0	29	24.92	...		55	8.3	R	8	5.0	41	35.37	...		28	29.0	R		
Mar. 3	5.2	29	25.04	...		55	11.2	M	10	5.1	41	35.50	...		28	28.3	R		
6	5.3	29	25.04	...		55	9.3	M	Mar. 11	5.0	41	35.54	...		28	29.0	M		
288 46 Orionis ε										294 Taylor 2170.									
Feb. 1	...	5	30	4.31	...	91	16	48.6	R	Feb. 13	5.1	5	43	6.15	...	136	38	31.3	R
4	...	30	4.40	...		16	50.8	R	20	5.0	43	6.25	...		38	31.6	R		
15	...	30	4.37	...		16	48.4	R	22	5.0	43	6.14	...		38	31.6	R		
17	...	30	4.39	...		16	49.6	R	Mar. 14	5.2	43	6.21	...		38	34.0	M		
21	...	30	4.34	...		16	47.7	R	295 32 Aurigæ ν										
289 26 Aurigæ.										Feb. 12	...	5	43	6.72 ⁴⁶	...	50	53	18.4	R
Feb. 14	5.4	5	30	52.05	...	59	34	52.3	R	18	...	43	6.86 ³⁶	...	53	19.1	R		
24	5.1	30	52.03	...		34	53.6	R	21	...	43	6.74 ⁴⁵	...	53	17.4	R			
25	5.1	30	51.98	...		34	53.3	R	Mar. 8	...	43	6.84 ²⁴	...	53	19.5	M			
Mar. 8	5.0	30	51.99	...		34	53.4	M	10	...	43	6.84	...	53	18.8	M			
290 49 Orionis d.										296 31 Camelopardi.									
Feb. 3	5.1	5	33	1.75	...	97	16	55.2	R	Feb. 14	5.0	5	44	7.94	...	30	8	29.3	R
5	5.0	33	1.57	...		16	54.5	R	19	5.1	44	8.01	...		8	20.7	R		
6	5.0	33	1.69	...		16	53.2	R	24	5.1	44	7.81	...		8	30.3	R		
Mar. 10	5.2	33	1.85	...		16	52.4	M	Mar. 3	5.5	44	8.05	...		8	25.5	M		
12	5.0	33	1.82	...		16	53.9	M	7	5.0	44	7.95	...		8	28.6	M		
291 α Columbae.										297 30 Aurigæ ξ									
Jan. 23	...	5	35	15.83	...	124	8	21.6	M	Feb. 25	5.1	5	44	42.29	...	34	19	24.5	R
25	...	35	16.08	...		8	22.2	M	26	5.1	44	42.25	...		10	20.5	R		
28	...	35	16.27	...		8	21.1	M	28	5.0	44	42.37	...		19	23.8	R		
30	...	35	15.93	...		8	21.3	M	Mar. 13	5.3	44	42.53	...		19	24.6	M		
										15	5.4	44	42.45	...		19	24.3	M	

6.15
36
.49
6.24
6.31

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		h.	m.	s.		o.	'	"				h.	m.	s.		o.	'	"	
298 136 <i>Tauri</i> .									305 37 <i>Aurigæ</i> θ										
Feb. 15	4.7	5	45	43.30	...	62	25	4.8	R	Feb. 25	...	5	51	28.12	...	52	47	51.9	R
17	4.6		45	43.21	...		25	5.0	R	306 <i>Taylor</i> 2106.									
27	4.6		45	43.33	...		25	5.9	R	Mar. 6	5.5	5	53	10.61	...	153	7	37.8	M
Mar. 17	4.9		45	43.40	...		25	5.1	M	10	5.5		53	10.65	...		7	37.8	M
299 <i>Taylor</i> 2214.									307 2 <i>Monocerotis</i> .										
Feb. 3	5.1	5	48	8.76	...	142	8	14.0	R	Feb. 17	...	5	53	19.77	...	99	34	5.1	R
7	5.0		48	8.77	...		8	13.3	R	26	...		53	19.58	...		84	2.6	R
8	5.0		48	8.79	...		8	13.4	R	Mar. 4	...		53	19.74	...		84	2.8	M
10	5.0		48	8.90	...		8	11.7	R	8	...		53	19.69	...		84	4.7	M
300 53 <i>Orionis</i> α , <i>Betelgeux</i> .									308 <i>Anon.</i>										
Jan. 13	...	5	48	37.11	...	82	37	1.1	M	Feb. 10	10.0	5	54	54.09	5	121	23	5.4	R
Feb. 6	...		48	37.23	...		37	1.4	R	13	10.2		54	54.08	5		23	5.4	R
11	...		48	37.19	...		36	59.1	R	15	10.3		54	53.96	...		23	4.0	R
21	...		48	37.29	...		36	53.6	R	28	10.2		54	54.16	4		23	5.2	R
301 33 <i>Aurigæ</i> δ									309 ν <i>Columbæ</i> .										
Feb. 13	4.0	5	49	33.35	...	35	43	34.7	R	Feb. 3	5.1	5	55	26.41	...	132	49	21.8	R
18	3.6		49	33.74	...		43	36.1	R	20	5.0		55	26.60	...		49	20.2	R
20	3.7		40	33.36	...		43	37.3	R	Mar. 3	5.0		55	26.42	...		49	25.4	M
302 <i>Taylor</i> 2232.									310 3 <i>Monocerotis</i> .										
Feb. 19	5.6	5	50	18.76	...	147	10	44.9	R	Feb. 6	...	5	56	8.88	...	100	36	3.0	R
22	5.6		50	18.53	...		10	43.4	R	8	...		56	8.94	...		36	2.8	R
303 35 <i>Aurigæ</i> π									311 <i>Taylor</i> 2288.										
Feb. 12	...	5	50	56.93	...	44	4	34.6	R	Feb. 17	5.6	5	53	23.00	...	116	17	6.2	R
14	...		50	57.04	...		4	34.7	R	18	5.6		53	22.98	...		17	5.0	R
28	...		50	57.18	...		4	32.4	R	27	5.6		53	22.99	...		17	5.9	R
Mar. 5	...		50	57.14	...		4	34.0	M	Mar. 7	5.5		53	23.13	...		17	5.7	M
304 δ^2 <i>Columbæ</i> .									312 <i>Taylor</i> 2288.										
Feb. 24	5.6	5	51	19.99	...	127	8	21.5	R	Feb. 17	5.6	5	53	23.00	...	116	17	6.2	R
27	5.6		51	20.03	...		8	21.8	R	18	5.6		53	22.98	...		17	5.0	R
Mar. 15	5.3		51	20.08	...		8	21.5	M	27	5.6		53	22.99	...		17	5.9	R
										Mar. 7	5.5		53	23.13	...		17	5.7	M
										15	5.4		53	23.09	...		17	4.9	M

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		h.	m.	s.		°	'	"				h.	m.	s.		°	'	"		
325 13 <i>Geminorum</i> μ									331 <i>Lacaille</i> 2333.											
Feb. 6	...	6	15	38 ^h 34	...	67	25	34 ^h 4	R	Feb. 15	5 ^h 2	6	26	50 ^h 66	...	140	9	11 ^h 6	R	12.4
10	...	15	38 ^h 50	...	...	25	33 ^h 2	R	17	5 ^h 0	26	50 ^h 60	...	...	9	11 ^h 8	R	12.9
11	...	15	38 ^h 40	...	...	25	33 ^h 2	R	18	5 ^h 0	26	50 ^h 66	...	...	9	10 ^h 4	R	11.5
17	...	15	38 ^h 38	...	...	25	32 ^h 7	R	Mar. 6	5 ^h 0	26	50 ^h 79	...	...	9	11 ^h 9	M	13.3
19	...	15	38 ^h 43	...	...	25	34 ^h 7	R	10	5 ^h 3	26	50 ^h 76	...	...	9	11 ^h 9	M	13.2
22	...	15	38 ^h 34	...	...	25	33 ^h 5	R	332 <i>Taylor</i> 2561.									12.7
24	...	15	38 ^h 30	25	33 ^h 4	R	Feb. 19	5 ^h 6	6	27	22 ^h 60	...	146	46	14 ^h 2	R		
28	...	15	38 ^h 47	...	...	25	31 ^h 7	R	21	5 ^h 6	27	22 ^h 71	...	...	46	11 ^h 6	R	
Mar. 24	...	15	38 ^h 43	...	...	25	34 ^h 0	M	24	5 ^h 6	27	22 ^h 61	...	...	46	12 ^h 9	R	
26	...	15	38 ^h 67	...	...	25	33 ^h 9	M	Mar. 12	5 ^h 4	27	22 ^h 63	...	...	46	14 ^h 2	M	
326 <i>Taylor</i> 2458.									14	5 ^h 6	27	22 ^h 77	...	...	46	15 ^h 0	M	
Feb. 12	5 ^h 5	6	16	13 ^h 73	5	124	5	27 ^h 0	R	333 <i>Taylor</i> 2560.										
25	5 ^h 6	16	13 ^h 61	5	27 ^h 0	R	Feb. 7	5 ^h 6	6	28	6 ^h 99	...	121	56	29 ^h 3	R		
Mar. 6	5 ^h 5	16	13 ^h 72	...	...	5	26 ^h 8	M	8	5 ^h 5	28	6 ^h 81	...	...	56	30 ^h 2	R	
22	5 ^h 6	16	13 ^h 32	...	...	5	26 ^h 1	M	10	5 ^h 6	28	7 ^h 01	...	...	56	29 ^h 4	R	
327 <i>Taylor</i> 2488.									Mar. 11	5 ^h 7	28	6 ^h 89	...	...	56	29 ^h 8	M	
Feb. 5	5 ^h 5	6	19	49 ^h 13	...	126	38	44 ^h 2	R	13	5 ^h 6	28	6 ^h 92	56	28 ^h 9	M		
10	5 ^h 6	19	49 ^h 17	...	...	38	42 ^h 3	R	334 <i>Taylor</i> 2573.									
19	5 ^h 5	19	49 ^h 43	38	42 ^h 6	R	Feb. 6	5 ^h 0	6	29	35 ^h 29	...	126	8	32 ^h 1	R		
Mar. 3	5 ^h 7	19	49 ^h 37	...	...	38	45 ^h 7	M	12	5 ^h 2	29	35 ^h 19	...	...	8	32 ^h 2	R	
4	5 ^h 7	19	49 ^h 34	...	...	38	40 ^h 7	M	20	5 ^h 1	29	35 ^h 29	...	...	8	31 ^h 9	R	
328 <i>Lacaille</i> 2297.									Mar. 3	5 ^h 4	29	35 ^h 43	...	...	8	36 ^h 0	M	
Feb. 6	5 ^h 5	6	22	31 ^h 17	...	138	6	20 ^h 2	R	4	5 ^h 4	29	35 ^h 24	8	32 ^h 0	M		
7	5 ^h 6	22	31 ^h 14	...	...	6	18 ^h 7	R	335 <i>Taylor</i> 2578.									
8	5 ^h 6	22	31 ^h 12	6	19 ^h 0	R	Feb. 28	5 ^h 6	6	30	6 ^h 03	...	122	37	16 ^h 5	R		
20	5 ^h 6	22	31 ^h 32	...	...	6	18 ^h 4	R	Mar. 25	5 ^h 7	30	6 ^h 14	...	...	37	15 ^h 0	M	
Mar. 5	5 ^h 7	22	31 ^h 24	...	...	6	18 ^h 6	M	26	5 ^h 9	30	6 ^h 24	...	...	37	17 ^h 5	M	
329 λ <i>Canis Majoris</i> .									336 50 <i>Auriga</i> ψ^3											
Feb. 4	4 ^h 6	6	23	41 ^h 18	4	122	30	18 ^h 4	R	Feb. 13	5 ^h 0	6	30	41 ^h 37	...	47	24	23 ^h 1	R	
330 13 <i>Monocerotis</i> .									26	5 ^h 1	30	41 ^h 41	...	...	24	22 ^h 9	R	
Feb. 3	...	6	26	21 ^h 79	5	32	34	43 ^h 3	R	27	5 ^h 1	30	41 ^h 44	24	23 ^h 8	R		
13	...	26	21 ^h 58	...	...	34	45 ^h 5	R	Mar. 22	5 ^h 0	30	41 ^h 55	...	...	24	21 ^h 8	M	
14	...	26	21 ^h 64	34	45 ^h 2	R	24	5 ^h 2	30	41 ^h 55	24	21 ^h 9	M			
Mar. 7	...	26	21 ^h 69	34	47 ^h 9	M												
8	...	26	21 ^h 65	34	43 ^h 6	M												

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		h.	m.	s.		°	'	"				h.	m.	s.		°	'	"											
337 24 <i>Geminorum</i> γ										344 <i>Taylor</i> 2672.																			
Feb. 5	...	6	30	43.22	...	73	29	58.1	R	Mar. 15	7.6	6	40	45.43	...	110	38	51.8	M										
14	...	80	43.23	...	...	29	56.5	R	345 17 <i>Monocerotis</i> .																		
25	...	30	43.29	...	...	29	57.4	R	Feb. 3	5.2	6	40	45.62	...	81	49	58.3	R									
Mar. 19	...	30	43.37	29	58.1	M	5	5.1	40	45.62	...	49	56.7	R	11	5.0	40	45.70	...	50	49	57.2	R				
338 <i>Taylor</i> 2604.										Mar. 24	5.0	40	45.67	...	49	58.8	M	28	5.0	40	45.85	...	50	0.7	M				
Mar. 15	5.0	6	32	18.49	...	142	52	38.2	M	346 58 <i>Aurigæ</i> ψ^7																			
339 <i>Taylor</i> 2607.										Feb. 4	5.0	6	42	12.50	...	48	4	42.7	R	17	5.1	42	12.41	...	4	42.1	R		
Feb. 4	5.6	6	33	2.21	5	126	53	18.1	R	18	5.1	42	12.37	...	4	41.7	R	Mar. 8	5.1	42	12.53	...	4	41.5	M				
7	5.6	33	2.14	53	15.5	R	22	5.0	42	12.65	...	4	40.9	M	347 <i>Radcliffe</i> 1813.												
13	5.6	33	2.36	53	15.7	R	Mar. 10	5.3	6	42	24.77	...	12	52	20.6	M	17	5.0	42	24.61	...	52	19.9	M			
340 55 <i>Aurigæ</i> ψ^4										26	5.0	42	24.71	...	52	20.8	M	348 51 <i>Cephei</i> (<i>Hev.</i>)											
Feb. 3	5.1	6	34	16.35	...	45	21	42.2	R	349 <i>h</i> ¹ <i>Canis Majoris</i> .																			
8	5.0	34	16.33	21	40.6	R	Feb. 7	...	6	45	48.73	...	121	33	55.4	R	Mar. 4	...	6	43	16.00	3	2	46	11.3	M	
10	5.1	34	16.33	21	40.4	R	13	...	43	16.05	3	46	12.4	M	342 10 <i>Canis Majoris</i> .												
341 42 <i>Camelopardi</i> .										343 43 <i>Camelopardi</i> .																			
Feb. 6	5.2	6	38	19.79	...	22	17	52.1	R	Mar. 11	5.2	6	40	39.23	...	20	58	25.6	M	Mar. 12	5.0	6	46	47.84	...	31	25	14.9	M
14	5.0	38	19.84	17	49.9	R	14	5.1	40	39.15	...	58	25.9	M	29	5.0	46	48.01	...	25	15.6	M					
15	5.1	38	19.87	17	49.9	R	25	5.0	40	39.20	...	58	26.4	M	350 15 <i>Lyncis</i> .												
Mar. 7	5.2	38	19.84	...	...	17	51.4	M	344 51 <i>Cephei</i> (<i>Hev.</i>)— <i>s.p.</i>																		
12	5.0	38	20.06	17	50.9	M	Aug. 14	...	6	43	15.45	3	2	46	13.2	R	345 <i>h</i> ¹ <i>Canis Majoris</i> .										
342 10 <i>Canis Majoris</i> .										Feb. 7	...	6	45	48.73	...	121	33	55.4	R	346 58 <i>Aurigæ</i> ψ^7									
Feb. 7	5.5	6	39	52.35	4	120	56	50.7	R	8	...	45	48.69	...	33	56.7	R	Feb. 4	...	6	42	12.50	...	48	4	42.7	R		
8	5.5	39	52.33	56	51.1	R	10	...	45	48.86	...	33	55.7	R	17	5.1	42	12.41	...	4	42.1	R					
13	5.6	39	52.34	56	49.1	M	Mar. 8	5.1	42	12.37	...	4	41.7	R	18	5.1	42	12.37	...	4	41.7	R					
Mar. 3	5.7	39	52.45	56	54.0	M	22	5.0	42	12.65	...	4	40.9	M	Mar. 8	5.1	42	12.53	...	4	41.5	M					
5	5.5	39	52.42	...	...	56	50.7	M	347 <i>Radcliffe</i> 1813.																		
6	5.5	39	52.43	56	50.9	M	Mar. 10	5.3	6	42	24.77	...	12	52	20.6	M	17	5.0	42	24.61	...	52	19.9	M			
343 43 <i>Camelopardi</i> .										26	5.0	42	24.71	...	52	20.8	M	348 51 <i>Cephei</i> (<i>Hev.</i>)											
Mar. 11	5.2	6	40	39.23	...	20	58	25.6	M	349 <i>h</i> ¹ <i>Canis Majoris</i> .																			
14	5.1	40	39.15	58	25.9	M	Feb. 7	...	6	45	48.73	...	121	33	55.4	R	Mar. 4	...	6	43	16.00	3	2	46	11.3	M	
25	5.0	40	39.20	58	26.4	M	8	...	45	48.69	...	33	56.7	R	13	...	43	16.05	3	46	12.4	M					
343 43 <i>Camelopardi</i> .										10	...	45	48.86	...	33	55.7	R	342 10 <i>Canis Majoris</i> .											
Mar. 11	5.2	6	40	39.23	...	20	58	25.6	M	344 51 <i>Cephei</i> (<i>Hev.</i>)— <i>s.p.</i>																			
14	5.1	40	39.15	58	25.9	M	Aug. 14	...	6	43	15.45	3	2	46	13.2	R	345 <i>h</i> ¹ <i>Canis Majoris</i> .										
25	5.0	40	39.20	58	26.4	M	Feb. 7	...	6	45	48.73	...	121	33	55.4	R	346 58 <i>Aurigæ</i> ψ^7										
343 43 <i>Camelopardi</i> .										8	...	45	48.69	...	33	56.7	R	Feb. 4	...	6	42	12.50	...	48	4	42.7	R		
Mar. 12	5.0	6	46	47.84	...	31	25	14.9	M	10	...	45	48.86	...	33	55.7	R	17	5.1	42	12.41	...	4	42.1	R				
29	5.0	46	48.01	...	...	25	15.6	M	347 <i>Radcliffe</i> 1813.																		
343 43 <i>Camelopardi</i> .										Mar. 10	5.3	6	42	24.77	...	12	52	20.6	M	17	5.1	42	12.41	...	4	42.1	R		
Mar. 12	5.0	6	46	47.84	...	31	25	14.9	M	18	5.1	42	12.37	...	4	41.7	R	Mar. 8	5.1	42	12.53	...	4	41.5	M				
29	5.0	46	48.01	25	15.6	M	22	5.0	42	12.65	...	4	40.9	M	348 51 <i>Cephei</i> (<i>Hev.</i>)												

1.5
59.8
0.0
58.2
0.0
59.7

Separate Results of Madras Meridian Circle Observations in 1879.

Number and Date.	Magnitude.	Mean Right Ascension 1879.			No. of Wires.	Mean Polar Distance 1879.			Observer.	Number and Date.	Magnitude.	Mean Right Ascension 1879.			No. of Wires.	Mean Polar Distance 1879.			Observer.
		h.	m.	s.		°	'	"				h.	m.	s.		°	'	"	
376 <i>4 Canis Minoris γ</i>										381 <i>75 Geminorum σ</i>									
Feb. 6	...	7	21	34.47	...	80	49	50.7	R	Mar. 24	...	7	35	44.91	...	60	49	31.1	M
7	...	21	34.84	...	...	49	50.4	...	R	27	...	35	45.12	...	...	49	31.1	M	
11	...	21	34.49	...	...	49	50.3	...	R	382 <i>78 Geminorum β, Pollux.</i>									
Mar. 1	...	21	34.45	...	...	49	50.2	...	R	Feb. 18	...	7	37	54.48	...	61	40	59.1	R
3	...	21	34.55	...	...	49	53.5	...	M	26	...	37	54.63	...	...	40	58.7	R	
377 <i>66 Geminorum α², Castor.</i>										383 <i>1 Puppis.</i>									
Mar. 4	...	7	26	52.70	...	57	50	51.7	M	Mar. 11	5.2	7	38	39.25	...	118	7	27.9	M
5	...	26	52.66	...	...	50	52.4	...	M	29	5.5	38	39.84	...	...	7	26.5	M	
6	...	26	52.54	...	...	50	52.5	...	M	384 <i>Taylor 3209.</i>									
7	...	26	52.65	...	...	50	51.8	...	M	Apl. 3	5.6	7	39	12.71	...	134	52	1.3	R
10	...	26	52.46	...	...	50	50.9	...	M	385 <i>4 Puppis.</i>									
13	...	26	52.78	...	...	50	52.4	...	M	Mar. 31	5.5	7	40	22.72	...	104	16	13.0	M
17	...	26	52.68	...	...	50	53.7	...	M	Apl. 4	5.6	40	22.53	...	...	16	12.0	R	
22	...	26	52.69	...	...	50	52.6	...	M	5	5.6	40	22.53	...	...	16	12.5	R	
26	...	26	52.73	...	...	50	52.0	...	M	7	5.6	40	22.72	...	...	16	12.0	R	
29	...	26	52.77	...	...	50	52.2	...	M	8	5.6	40	22.80	...	...	16	14.2	R	
378 <i>10 Canis Minoris α, Procyon.</i>										386 <i>ζ Volantis.</i>									
Mar. 8	...	7	32	57.90	...	84	27	56.4	M	Feb. 8	5.0	7	43	17.85	...	162	18	57.4	R
8	...	32	58.09	...	...	27	54.3	...	M	14	5.0	43	17.75	8	...	18	55.0	R	
19	...	32	57.80	...	...	27	54.0	...	M	387 <i>Taylor 3265.</i>									
25	...	32	57.98	...	...	27	53.9	...	M	Mar. 10	5.4	7	43	52.23	...	136	18	30.9	M
31	...	32	57.86	...	...	27	52.4	...	M	25	5.4	43	52.22	...	...	18	32.0	M	
379 <i>δ¹ Puppis.</i>										388 <i>6 Puppis.</i>									
Mar. 12	5.4	7	35	11.42	...	128	1	54.2	M	Mar. 22	5.5	7	44	13.06	...	106	55	15.8	M
15	5.5	35	11.34	...	...	1	52.0	...	M	24	5.7	44	13.07	...	...	55	15.5	M	
26	5.6	35	11.63	...	...	1	50.0	...	M	26	5.7	44	13.15	...	...	55	15.7	M	
Apl. 2	5.6	35	11.52	...	...	1	51.1	...	R	389 <i>Taylor 3265.</i>									
4	5.6	35	11.58	...	...	1	51.0	...	R	Mar. 10	5.4	7	43	52.23	...	136	18	30.9	M
380 <i>δ² Puppis.</i>										389 <i>Taylor 3265.</i>									
Mar. 14	5.5	7	35	27.25	...	127	51	43.2	M	25	5.4	43	52.22	...	...	18	32.0	M	
22	5.8	35	27.21	...	...	51	43.3	...	M	Apl. 2	5.6	43	52.08	...	...	18	31.5	R	
28	5.5	35	27.88	...	...	51	40.3	...	M	388 <i>6 Puppis.</i>									
Apl. 5	5.6	35	27.21	...	...	51	39.8	...	R	Mar. 22	5.5	7	44	13.06	...	106	55	15.8	M
7	5.7	35	27.21	...	...	51	40.9	...	R	24	5.7	44	13.07	...	...	55	15.5	M	
										26	5.7	44	13.15	...	...	55	15.7	M	

11.60

27.23
23

12.78

22.57

5.6

7.8

7.9

Separate Results of Madras Meridian Circle Observations in 1879.

Number and Date.	Magnitude.	Mean Right Ascension. 1879.			No. of Wires.	Mean Polar Distance. 1879.			Observer.	Number and Date.	Magnitude.	Mean Right Ascension. 1879.			No. of Wires.	Mean Polar Distance. 1879.			Observer.										
		h.	m.	s.		°	'	"				h.	m.	s.		°	'	"											
389 <i>Taylor 3275.</i>																													
Mar. 27	5.4	7	44	43 ⁵⁶ 86	...	136	46	22.6	M	...	7	55	3	97	...	91	3	28.3	M										
28	5.4	44	43	49.99	...	46	23.3	M																					
390 <i>Taylor 3279.</i>																													
Feb. 10	4.4	7	45	33.08	...	136	4	9.5	R	...	55	3	81	...	3	26.5	M	3	27.0	M									
12	4.6	45	33	12	...	4	8.3	R																					
391 <i>9 Puppis.</i>																													
Feb. 11	5.1	7	46	9.99	...	103	34	40.4	R	...	7	55	4	08	...	3	25.3	R	4.09	.10									
					...																								
392 <i>Taylor 3289.</i>																													
Mar. 29	5.7	7	46	30.60	...	146	6	18.9	M	...	7	55	57.84	...	87	20	3.2	M	58.05										
Apl. 3	5.7	46	30	66.4	...	6	18.0	R																					
4	5.6	46	30	66.4	...	6	18.7	R																					
5	5.6	46	30	72.3	...	6	20.6	R																					
7	5.6	46	30	66.4	...	6	21.2	R																					
393 <i>R. P. L. 49.</i>																													
Feb. 28	...	7	47	45.10	3	5	35	55.3	R	...	7	56	5.08	...	52	3.2	R	58.05											
<i>R. P. L. 49—s.p.</i>																													
Aug. 23	...	7	47	43.04	3	5	35	55.1	R																				
Sep. 2	...	47	44	24	4	35	58.2	R																					
20	...	47	44	44	3	35	57.9	R																					
394 <i>a Puppis.</i>																													
Feb. 17	5.2	7	48	3.51	...	130	15	52.6	R	...	7	59	21.26	...	38	8	47.8	M	21.18										
395 <i>b Puppis.</i>																													
Feb. 13	5.0	7	48	21.96	...	128	33	1.4	R																				
					...																								
396 <i>11 Puppis e.</i>																													
Mar. 12	...	7	51	39.08	...	112	38	28.0	M	...	8	0	44.98	...	21	10	17.7	R	44.94										
13	...	51	39	35	...	33	27.9	M																					
25	...	51	39	33	...	33	28.5	M																					
Apl. 2	...	51	39	31	...	33	28.0	R																					
3	...	51	39	27	...	33	26.6	R																					
397 <i>28 Monocerotis.</i>																													
Mar. 14	...	7	55	3.97	...	91	3	28.3	M	...	55	3	81	...	3	26.5	M	58.05											
17	...	55	3	81	...	3	26.5	M																					
26	...	55	4	01	...	3	27.0	M																					
Apl. 4	...	55	4	08	...	3	25.3	R																					
7	...	55	4	08	...	3	26.6	R																					
398 <i>Taylor 3365.</i>																													
Mar. 22	5.1	7	55	57.84	...	87	20	3.2	M	...	7	56	4.99	...	61	52	4.1	R	58.05										
24	5.1	55	58	11	...	20	1.3	M																					
28	5.0	55	58	32	...	20	4.5	M																					
Apl. 3	5.1	55	58	04	...	20	0.8	R																					
5	5.1	55	58	07	...	20	1.0	R																					
399 <i>6 Cancri.</i>																													
Feb. 19	...	7	56	4.99	...	61	52	4.1	R	...	56	5.01	...	52	4.4	R	58.05												
20	...	56	5.01	...	52	4.4	R																						
24	...	56	5.09	...	52	4.8	R																						
25	...	56	5.09	...	52	4.4	R																						
26	...	56	5.03	...	52	3.2	R																						
27	...	56	5.12	...	52	4.0	R																						
Mar. 1	...	56	5.08	...	52	3.7	R																						
3	...	56	5.14	...	52	5.4	M																						
4	...	56	5.19	...	52	4.1	M																						
6	...	56	5.23	...	52	3.9	M																						
8	...	56	5.16	...	52	4.2	M																						
11	...	56	5.09	...	52	4.3	M																						
15	...	56	4.88	...	52	4.9	M																						
Apl. 2	...	56	5.09	...	52	3.3	R																						
400 <i>Taylor 3399.</i>																													
Mar. 27	5.5	7	57	51.41	...	143	48	57.2	M	...	7	59	21.21	...	8	45.7	M	21.18											
401 <i>27 Lynxii.</i>																													
Mar. 10	5.0	7	59	21.26	...	38	8	47.8	M																				
31	5.0	59	21	21	...	8	45.7	M																					
Apl. 4	5.2	59	21	18	...	8	45.4	R																					
402 <i>55 Camelopardi.</i>																													
Apl. 5	5.1	8	0	44.98	...	21	10	17.7	R	...	8	0	45.08	...	10	18.8	R	44.94	5.01										
7	5.2	0	45	08	...	10	18.8	R																					

Separate Results of Madras Meridian Circle Observations in 1879.

Number and Date.	Magnitude.	Mean Right Ascension 1879.			No. of Wires.	Mean Polar Distance 1879.			Observer.	Number and Date.	Magnitude.	Mean Right Ascension 1879.			No. of Wires.	Mean Polar Distance 1879.			Observer.
		h.	m.	s.		°	'	"				h.	m.	s.		°	'	"	
403 15 <i>Argus</i> ι										410 <i>Anon.</i>									
Feb. 21	...	8	2	23 ⁴⁶	...	113	57	21 ¹	R	Feb. 19	9 ⁷	8	8	55 ⁵⁸	...	128	41	38 ⁰	R
25	...		2	23 ³⁹	...		57	22 ²	R	25	10 ⁰	8	8	55 ⁴⁹	...		41	38 ⁰	R
27	...		2	23 ⁴²	...		57	22 ⁷	R	28	10 ⁰	8	8	55 ⁵⁸	...		41	35 ⁸	R
28	...		2	23 ⁴⁶	...		57	20 ⁸	R	Apl. 2	10 ⁰	8	8	55 ⁷⁰	...		41	38 ¹	R
Mar. 12	...		2	23 ⁴⁴	...		57	22 ¹	M	411 <i>Anon.</i>									
25	...		2	23 ⁴³	...		57	23 ⁶	M	Feb. 27	9 ⁵	8	9	6 ⁴⁴	...	128	41	3 ³	R
28	...		2	23 ³⁵	...		57	22 ³	M	412 30 <i>Lyncis</i> .									
29	...		2	23 ³⁷	...		57	22 ¹	M	Mar. 3	5 ⁶	8	10	39 ³³	...	81	52	53 ⁷	M
Apl. 3	...		2	23 ³⁹	...		57	20 ⁵	R	4	6 ⁰	10	39 ⁵⁴	...		52	51 ⁷	M	
404 <i>Anon.</i>										5	5 ⁹	10	39 ⁴⁹	...		52	52 ⁷	M	
Mar. 1	9 ⁷	8	6	38 ⁰³	...	128	42	18 ⁹	R	6	5 ⁷	10	39 ⁴⁵	...		52	53 ¹	M	
405 <i>Taylor</i> 3478.										413 <i>Lacaille</i> 3275.									
Feb. 11	5 ⁶	8	6	44 ⁴⁴	...	145	43	44 ⁶	R	Feb. 13	5 ⁴	8	18	25 ³³	...	152	32	32 ⁷	R
14	5 ⁶		6	44 ⁴⁶	...		43	44 ⁰	R	14	5 ⁵	18	23 ⁰⁰	...		32	33 ⁹	R	
15	5 ⁶		6	44 ⁵²	...		43	42 ⁰	R	18	5 ⁵	18	25 ³⁸	...		32	33 ¹	R	
406 <i>Taylor</i> 3484.										414 31 <i>Lyncis</i> .									
Feb. 12	5 ⁵	8	6	59 ⁹⁶	...	150	56	6 ⁶	L	Feb. 12	...	8	14	32 ⁹⁰	...	46	25	30 ⁰	R
13	5 ⁵		7	0 ⁰²	...		56	5 ⁸	R	15	...		14	33 ⁰²	...		25	29 ⁶	R
407 <i>h¹ Puppis</i> .										17	...		14	32 ⁹⁵	...		25	30 ³	R
Feb. 17	5 ⁶	8	7	2 ²⁴	...	129	15	31 ⁴	R	19	...		14	32 ³²	...		25	31 ²	R
24	5 ⁶		7	2 ⁰⁸	...		15	31 ⁸	R	415 <i>Radcliffe</i> 2130.									
26	5 ⁶		7	2 ²⁷	...		15	29 ⁰	R	Feb. 20	5 ¹	8	14	33 ²⁴	...	36	23	32 ⁷	R
408 <i>Taylor</i> 3480.										21	5 ²		14	33 ²³	...		23	31 ⁹	R
Feb. 18	5 ⁵	8	7	20 ⁷⁰	...	132	37	36 ⁷	R	24	5 ⁰		14	33 ²¹	...		23	32 ¹	R
20	5 ⁵		7	20 ⁹⁵	...		37	36 ²	R	25	5 ¹		14	33 ¹⁵	...		23	32 ¹	R
21	5 ⁵		7	20 ⁹⁷	...		37	33 ⁷	R	416 <i>Taylor</i> 3532.									
409 <i>e Volantis</i> .										Feb. 15	5 ⁶	8	19	36 ³⁸	...	33	30	46 ⁴	R
Mar. 7	5 ⁰	8	7	32 ⁶⁶	...	153	15	41 ⁹	M	17	5 ⁶		19	36 ³⁶	...		30	45 ⁸	R
8	5 ⁰		7	32 ³³	...		15	46 ⁵	M	417 <i>Taylor</i> 3539.									
409 <i>e Volantis</i> .										Feb. 13	6 ⁰	8	19	50 ⁰⁵	...	113	39	14 ⁹	R
Mar. 7	5 ⁰	8	7	32 ⁶⁶	...	153	15	41 ⁹	M	14	6 ⁰		19	50 ¹⁷	...		39	15 ⁴	R
8	5 ⁰		7	32 ³³	...		15	46 ⁵	M	417 <i>Taylor</i> 3539.									

Separate Results of Madras Meridian Circle Observations in 1879.

Number and Date.	Magnitude.	Mean Right Ascension 1879.			No. of Wires.	Mean Polar Distance 1879.			Observer.	Number and Date.	Magnitude.	Mean Right Ascension 1879.			No. of Wires.	Mean Polar Distance 1879.			Observer.
		h.	m.	s.		°	'	"				h.	m.	s.		°	'	"	
418 Anon.									423 Taylor 3702.										
Apl. 2	9.6	8	21	52.45	...	153	20	25.8	R	Feb. 15	5.6	8	31	1.73	...	139	31	38.4	R
										17	5.7		31	1.73	...		31	37.2	R
419 Anon.									424 Taylor 3717.										
Feb. 15	7.9	8	23	42.78	...	144	57	49.8	R	Feb. 14	5.6	8	32	15.26	...	140	33	1.0	R
24	7.6		23	42.76	...		57	50.2	R	18	5.5		32	15.34	...		33	0.5	R
										20	5.6		32	15.50	...		33	0.4	R
420 2 Ursæ Majoris A.									425 5 Hydræ σ										
Feb. 25	5.1	8	23	44.60	...	24	26	38.3	R	Feb. 19	...	8	32	26.04	...	86	14	4.9	R
26	5.1		23	44.67	...		26	37.6	R	21	...		32	26.20	...		14	2.2	R
27	5.1		23	44.77	...		26	37.9	R	27	...		32	26.03	...		14	4.0	R
										Mar. 1	...		32	26.19	...		14	3.7	R
										5	...		32	25.94	...		14	5.3	M
421 Anon.									426 6 Hydræ.										
Feb. 19	7.6	8	23	53.83	...	144	56	0.9	R	Mar. 6	5.5	8	34	17.45	...	102	2	53.9	M
20	7.5		23	53.94	...		56	2.6	R	7	5.5		34	17.39	...		2	54.7	M
21	7.5		23	54.05	...		56	1.0	R	26	5.5		34	17.64	...		2	52.8	M
										Apl. 1	5.6		34	17.49	...		2	52.7	R
										2	5.6		34	17.66	...		2	52.8	R
422 33 Cancri η									427 Taylor 3742.										
Feb. 28	...	8	25	42.53	...	69	8	56.7	R	Mar. 4	6.2	8	35	18.80	...	142	39	50.2	M
Mar. 1	...		25	42.62	...		8	55.2	R	8	6.0		35	18.55	...		39	50.5	M
3	...		25	42.63	...		8	56.4	M	10	6.1		35	18.83	...		39	53.0	M
11	...		25	42.56	...		8	57.1	M	15	6.0		35	18.66	...		39	49.4	M
12	...		25	42.73	...		8	57.6	M										
13	...		25	42.70	...		8	56.7	M										
14	...		25	42.56	...		8	56.5	M										
15	...		25	42.56	...		8	56.7	M										
17	...		25	42.88	...		8	57.1	M										
22	...		25	42.70	...		8	53.4	M										
24	...		25	43.74	...		8	56.4	M										
25	...		25	42.69	...		8	56.1	M										
27	...		25	42.72	...		8	56.2	M										
28	...		25	42.79	...		8	56.6	M										
29	...		25	42.61	...		8	57.4	M										
31	...		25	42.71	...		8	55.9	M										
Apl. 1	...		25	42.65	...		8	55.1	R										
3	...		25	42.61	...		8	55.3	R										
4	...		25	42.58	...		8	56.3	R										
5	...		25	42.59	...		8	54.6	R										
									428 7 Hydræ η										
										Feb. 15	...	8	36	53.86	...	86	10	3.8	R
										24	...		36	53.99	...		10	6.1	R
										28	...		36	54.04	...		10	2.0	R
										Mar. 12	...		36	53.85	...		10	3.5	M
										13	...		36	54.03	...		10	7.0	M
									429 Taylor 3775.										
										Feb. 17	5.4	8	37	49.93	...	134	58	39.6	R
										19	5.5		37	50.05	...		58	38.6	R
										26	5.6		37	49.76	...		58	40.0	R
										Mar. 22	5.4		37	49.88	...		58	41.7	M
										24	5.5		37	49.95	...		58	39.2	M

42-60

Separate Results of Madras Meridian Circle Observations in 1879.

Number and Date.	Magnitude.	Mean Right Ascension 1879.			No. of Wires.	Mean Polar Distance 1879.			Observer.	Number and Date.	Magnitude.	Mean Right Ascension 1879.			No. of Wires.	Mean Polar Distance 1879.			Observer.
		h.	m.	s.		o.	'	"				h.	m.	s.		o.	'	"	
430 Taylor 3779.									437 R. P. L. 60.										
Feb. 18	6.0	8	38	21.39	...	187	39	54.0	R	Mar. 6	...	8	49	48.20	3	5	20	12.4	M
20	6.0		38	21.48	...		39	53.2	R	10	...		49	48.84	3		20	11.6	M
Mar. 25	5.8		38	21.88	6		39	53.7	M	Apl. 1	...		49	50.11	3		20	13.8	R
27	5.7		38	21.87	...		39	53.7	M	R. P. L. 60—s.p.									
28	5.9		38	21.55	...		39	54.4	M	Sep. 26	...	8	49	48.58	3	5	20	15.0	R
431 θ Volantis.									438 Anon.										
Apl. 3	5.7	8	38	37.86	...	159	57	18.4	R	Apl. 2	10.1	8	51	16.55	3	98	51	8.2	R
8	6.0		38	37.55	4		57	20.5	R	8	10.1		51	16.80	...		51	2.4	R
9	5.6		38	37.75	...		57	22.1	R	7	10.4		51	16.77	5		51	3.5	R
432 48 Cancri ι									439 8 Ursæ Majoris ρ										
Feb. 21	...	8	39	22.50	...	60	47	51.1	R	Feb. 18	5.1	8	51	36.72	...	21	54	0.9	R
25	...		39	22.52	...		47	53.7	R	19	5.2		51	36.65	...		54	1.7	R
27	...		39	22.52	...		47	53.5	R	440 10 Ursæ Majoris.									
Mar. 3	...		39	22.31	...		47	54.6	M	Feb. 20	4.7	8	52	46.71	...	47	44	22.0	R
433 11 Hydræ ϵ									441 11 Ursæ Majoris σ^1										
Apl. 2	...	8	40	22.05	...	38	8	14.3	R	Feb. 19	5.1	8	57	45.24	...	22	38	31.1	R
4	...		40	22.08	...		8	13.9	R	21	5.1		57	45.08	...		38	28.2	R
5	...		40	22.09	...		8	14.5	R	442 13 Ursæ Majoris σ^2									
7	...		40	22.07	...		8	14.7	R	Mar. 13	5.0	8	59	44.06	...	22	22	31.4	M
14	...		40	22.06	...		8	14.4	R	14	5.1		59	44.01	...		22	32.2	M
434 13 Hydræ ρ									443 15 Ursæ Majoris f .										
Feb. 24	...	8	42	1.32	...	33	42	57.4	R	Feb. 20	...	9	0	19.72	...	37	54	29.9	R
Mar. 17	...		42	1.34	...		42	55.5	M	24	...		0	19.55	...		54	30.1	R
26	...		42	1.55	...		42	54.8	M	Mar. 1	...		0	19.65	...		54	28.9	R
435 Taylor 3823.									444 11 Ursæ Majoris σ^3										
Feb. 17	7.6	8	42	12.83	...	132	7	24.2	R	Mar. 13	5.0	8	59	44.06	...	22	22	31.4	M
19	7.6		42	12.88	...		7	22.6	R	14	5.1		59	44.01	...		22	32.2	M
Mar. 5	7.6		42	12.88	...		7	25.0	M	22	5.0		59	43.81	...		22	32.5	M
29	7.9		42	12.66	...		7	24.8	M	24	5.0		59	43.77	...		22	38.6	M
31	7.7		42	12.86	...		7	26.9	M	445 14 Hydræ.									
436 14 Hydræ.									446 15 Ursæ Majoris f .										
Feb. 20	5.6	8	43	17.08	...	92	59	42.5	R	Feb. 20	...	9	0	19.72	...	37	54	29.9	R
									447 15 Ursæ Majoris f .										
									Mar. 1 ... 0 19.65 ... 54 28.9 R										
									11 ... 0 19.73 ... 54 30.2 M										
									12 ... 0 19.69 ... 54 27.2 M										

37.68
66
83
78

16.78

Separate Results of Madras Meridian Circle Observations in 1879.

Number and Date.	Magnitude.	Mean Right Ascension 1879.			No. of Wires.	Mean Polar Distance 1879.			Observer.	Number and Date.	Magnitude.	Mean Right Ascension 1879.			No. of Wires.	Mean Polar Distance 1879.			Observer.		
		h.	m.	s.		o.	'	"				h.	m.	s.		o.	'	"			
444 <i>a Volantis.</i>																					
Mar. 26	4.6	9	0	32.30	...	155	54	51.9	M	451	Anon.	Apl. 2	9.5	9	7	15.51	...	142	27	57.8	R
27	4.5	0	32.98	...	54	50.1	M	3	9.5			7	15.62	...	27	56.7	R				
Apl. 2	4.5	0	32.25	...	54	49.4	M	7	9.8			7	15.38	...	27	56.5	R				
4	4.6	0	32.13	...	54	48.0	R	19	9.6			7	15.44	...	28	0.2	R				
7	4.8	0	32.15	...	54	48.8	R														
445 <i>14 Ursæ Majoris τ</i>																					
Mar. 17	5.0	9	0	55.59	...	25	59	45.1	M												
Apl. 1	5.1	0	55.64	...	59	44.4	R														
3	5.0	0	55.64	...	59	43.0	R														
5	5.0	0	55.64	...	59	42.7	R														
446 <i>Taylor 3991.</i>																					
Feb. 25	5.6	9	2	44.01	...	115	22	17.0	R												
27	5.6	2	44.15	...	22	14.2	R														
28	5.6	2	44.16	...	22	14.3	R														
447 <i>ε Carinæ.</i>																					
Mar. 25	5.5	9	4	39.03	...	160	3	6.6	M												
28	...	4	38.87	...	3	10.3	M														
448 <i>Taylor 4022.</i>																					
Apl. 8	8.0	9	4	48.49	4	162	6	59.5	R												
9	6.0	4	48.62	...	6	57.3	R														
21	6.0	4	48.47	...	6	58.8	R														
449 <i>e Mali.</i>																					
Feb. 21	5.6	9	4	48.99	...	119	52	16.7	R												
26	5.6	4	48.68	...	52	18.2	R														
450 <i>Taylor 4030.</i>																					
Mar. 29	5.5	9	6	40.97	...	134	22	23.8	M												
Apl. 14	5.6	6	41.00	...	22	24.5	M														
16	5.6	6	41.14	...	22	24.1	R														
17	5.6	6	40.98	...	22	23.6	R														
451 <i>Anon.</i>																					
Apl. 2	9.5	9	7	15.51	...	142	27	57.8	R												
3	9.5	7	15.62	...	27	56.7	R														
7	9.8	7	15.38	...	27	56.5	R														
19	9.6	7	15.44	...	28	0.2	R														
452 <i>18 Ursæ Majoris ε.</i>																					
Feb. 24	5.1	9	7	28.19	...	35	28	46.3	R												
25	5.0	7	28.32	...	28	45.5	R														
453 <i>22 Hydræ θ</i>																					
May. 2	...	9	8	4.21	...	87	10	36.0	M												
3	...	8	4.15	...	10	37.6	M														
5	...	8	4.22	...	10	38.3	M														
454 <i>i Carinæ.</i>																					
Mar. 4	5.0	9	8	31.76	...	151	49	16.1	M												
Apl. 4	5.0	8	31.65	...	49	15.8	R														
5	5.0	8	31.73	...	49	15.5	R														
455 <i>l Velorum.</i>																					
Feb. 26	5.2	9	10	50.35	...	128	3	57.5	R												
27	5.1	10	50.42	...	3	56.0	R														
28	5.1	10	50.42	...	3	56.6	R														
456 <i>h² Velorum.</i>																					
Mar. 1	5.6	9	10	54.66	...	126	54	34.4	R												
3	5.4	10	54.56	...	54	36.0	M														
Apl. 12	5.6	10	54.60	...	54	33.8	R														
457 <i>38 Lynceis.</i>																					
Mar. 13	...	9	11	18.70	...	52	41	11.1	M												
Apl. 16	...	11	18.72	5	41	10.3	R														
17	...	11	18.71	...	41	10.1	R														
21	...	11	18.54	...	41	10.2	R														
22	...	11	18.62	...	41	8.8	R														
458 <i>83 Cancri.</i>																					
Apl. 1	...	9	12	13.48	...	71	46	57.4	R												
18	...	12	13.57	...	46	57.2	R														

15.64
54
38

32.7
33.4
34.3
33.5

31.72
77

16.78

32.15
25

55.60
61

46.59
70

41.11
40.55

Separate Results of Madras Meridian Circle Observations in 1879.

Number and Date.	Magnitude.	Mean Right Ascension 1879.			No. of Wires.	Mean Polar Distance 1879.			Observer.	Number and Date.	Magnitude.	Mean Right Ascension 1879.			No. of Wires.	Mean Polar Distance 1879.			Observer.
		h.	m.	s.		°	'	"				h.	m.	s.		°	'	"	
459 <i>g Carinae.</i>																			
Mar. 7	5.3	9	12	47.09	...	147	2	7.6	M	...	9	21	38.59	...	96	8	1.6	M	
12	5.0	12	46.95	...		2	6.6	M											
460 <i>40 Lynceis a</i>																			
Mar. 22	...	9	13	40.84	...	55	5	48.1	M	...	21	38.33	8	1.6	M	E	
24	...	13	40.86	...		5	48.1	M											
Apl. 3	...	13	40.76	...		5	46.7	R											
4	...	13	40.77	...		5	47.6	R											
7	...	13	40.73	...		5	48.8	R											
461 <i>Taylor 4100.</i>																			
Mar. 26	5.5	9	14	4.30	...	140	32	31.5	M	...	9	21	47.17	...	95	32	35.4	R	
27	5.0	14	4.26	...		32	33.1	M											
Apl. 2	5.0	14	4.33	...		32	34.0	R											
5	5.0	14	4.23	...		32	32.5	R											
8	5.1	14	4.27	...		32	32.5	R											
462 <i>27 Hydræ.</i>																			
Feb. 24	...	9	14	34.66	...	99	2	35.4	R	...	9	23	0.18	4	92	14	25.0	R	
463 <i>l Leonis κ</i>																			
Feb. 25	5.1	9	17	36.15	...	63	17	51.0	R	...	9	23	45.84	...	19	38	20.6	M	
26	5.1	17	36.18	...		17	48.9	R											
28	5.1	17	36.18	...		17	48.2	R											
464 <i>Taylor 4126.</i>																			
Mar. 1	5.6	9	17	58.11	...	118	18	59.4	R	...	9	24	14.98	...	125	26	21.5	R	
14	5.5	17	57.90	...		19	2.9	M											
Apl. 1	5.6	17	57.90	...		19	0.2	R											
4	5.6	17	58.03	...		18	58.9	R											
465 <i>κ Carinae.</i>																			
Feb. 27	5.6	9	18	2.47	...	151	53	22.5	R	...	9	25	25.85	...	78	9	55.0	M	
466 <i>Radcliffe 2324.</i>																			
Mar. 25	5.0	9	19	42.84	5	8	8	29.4	M	...	9	25	34.95	...	121	21	32.0	R	
29	5.0	19	42.42	5		8	28.4	M											
Apl. 3	5.0	19	42.52	5		8	27.6	R											
7	5.2	19	42.66	4		8	27.5	R											
9	5.0	19	42.47	...		8	28.5	R											
467 <i>30 Hydræ a, Var. 2.</i>																			
Mar. 15	...	9	21	38.59	...	96	8	1.6	M	...	21	38.43	8	3.4	R	E	
19	...	21	38.61	...		8	3.8	M											
22	...	21	38.33	...		8	2.6	M											
Apl. 5	...	21	38.88	...		8	1.6	R											
8	...	21	38.43	...		8	3.4	R											
16	...	21	38.37	...		8	3.4	R											
18	...	21	38.30	...		8	4.0	R											
May 3	...	21	38.41	...		8	2.7	M											
5	...	21	38.33	...		8	2.4	M											
6	...	21	38.42	...		8	3.4	M											
468 <i>Argelander 196.</i>																			
Feb. 24	5.1	9	21	47.17	...	95	32	35.4	R	...	9	23	0.85	...	14	24.9	M	E	
25	5.1	21	47.15	...		32	35.3	R											
469 <i>31 Hydræ τ¹</i>																			
Feb. 27	...	9	23	0.18	4	92	14	25.0	R	...	9	23	0.85	...	14	24.7	M	E	
Mar. 6	...	23	0.85	...		14	24.7	M											
470 <i>24 Ursæ Majoris δ.</i>																			
Mar. 8	5.0	9	23	45.84	...	19	38	20.6	M	...	9	23	45.56	...	38	20.0	M	R	
12	5.2	23	45.56	...		38	25.0	M											
23	5.0	23	45.74	...		38	20.0	M											
Apl. 2	5.0	23	45.53	...		38	20.0	R											
19	5.1	23	45.61	...		38	20.2	R											
471 <i>ε Antliae.</i>																			
Feb. 26	5.6	9	24	14.98	...	125	26	21.5	R	...	9	25	25.84	...	9	52.8	R	E	
472 <i>5 Leonis ξ</i>																			
Mar. 7	5.0	9	25	25.85	...	78	9	55.0	M	...	9	25	25.87	...	9	53.8	R	E	
27	5.1	25	25.84	...		9	51.2	M											
Apl. 4	5.2	25	25.87	...		9	52.8	R											
7	5.3	25	25.80	...		9	53.0	R											
14	5.2	25	25.51	...		9	55.5	M											
473 <i>ξ¹ Antliae—1st.</i>																			
Feb. 28	6.4	9	25	34.95	...	121	21	32.0	R	...	9	25	34.98	...	21	31.2	R	E	
Mar. 1	6.4	25	34.98	...		21	31.2	R											

40.74
.76
.76

4.32.

56.05

41.59
40
.82

36.36
.31

30.0
29.6
29.9

Separate Results of Madras Meridian Circle Observations in 1879.

Number and Date.	Magnitude.	Mean Right Ascension 1879.			No. of Wires.	Mean Polar Distance 1879.			Observer.	Number and Date.	Magnitude.	Mean Right Ascension 1879.			No. of Wires.	Mean Polar Distance 1879.			Observer.
		h.	m.	s.		°	'	"				h.	m.	s.		°	'	"	
474 ζ^1 Antlia—2nd.																			
Apl. 1	6.0	9	25	35.25	...	121	21	26.1	R	35-24 14									
5	6.1	25	35.28	...	21	24.8	R												
8	6.0	25	35.18	...	21	26.0	R												
16	6.1	25	35.58	...	21	25.3	R												
475 ζ^2 Antlia.																			
Mar. 24	6.0	9	26	21.67	...	121	20	19.5	M										
31	5.8	26	21.53	...	20	20.5	M												
476 10 Leonis Minoris.																			
Feb. 25	5.1	9	26	48.17	...	53	3	57.2	R										
Mar. 5	5.2	26	48.48	...	3	55.7	M												
477 Taylor 4218.																			
Apl. 17	5.0	9	27	32.87	...	146	30	0.8	R	32-87									
21	5.0	27	32.71	...	30	1.3	R												
22	5.1	27	32.59	...	30	1.3	R												
23	5.0	27	32.55	...	30	1.9	R												
478 Taylor 4233.																			
Apl. 3	5.6	9	29	56.94	...	140	43	0.4	R	56-56 96									
9	5.6	29	56.92	...	43	2.3	R												
12	5.6	29	56.85	...	43	1.7	R												
479 Lacaille 3968.																			
Apl. 24	7.0	9	30	41.06	4	102	32	45.0	R										
25	7.2	30	40.94	3	32	43.9	R												
26	7.3	30	40.92	3	32	46.1	R												
480 γ Velorum.																			
Mar. 1	5.6	9	33	17.99	...	132	38	44.3	R										
22	5.5	33	17.81	...	38	42.1	M												
481 35 Hydrae ι																			
Feb. 26	...	9	33	40.45	...	90	35	38.4	R										
28	...	33	40.66	...	35	35.4	R												
482 38 Hydrae κ																			
Mar. 25	5.0	9	34	30.30	...	103	47	2.4	M										
26	5.2	34	30.34	...	47	1.2	M												
Apl. 1	5.1	34	30.26	...	47	2.1	R												
483 R. P. L. 69—s.p.																			
Nov. 3	...	9	37	37.49	3	2	50	50.2	R										
484 17 Leonis ϵ																			
Mar. 10	...	9	38	59.19	...	65	40	10.8	M	58-90 86 80									
11	...	38	58.86	...	40	12.3	M												
Apl. 2	...	38	58.84	...	40	10.1	R												
3	...	38	58.91	...	40	7.4	R												
4	...	38	58.84	...	40	8.9	R												
7	...	38	58.87	...	40	9.1	R												
9	...	38	58.87	...	40	9.3	R												
12	...	38	58.92	...	40	9.3	R												
17	...	38	58.77	...	40	8.1	R												
19	...	38	58.84	...	40	9.6	R												
May 2	...	38	59.01	...	40	10.6	M												
5	...	38	59.06	...	40	9.5	M												
6	...	38	58.84	...	40	10.2	M												
7	...	38	58.87	...	40	8.3	M												
485 R. P. L. 70.																			
Mar. 22	...	9	48	58.79	3	5	29	57.6	M										
25	...	48	58.95	3	29	59.5	M												
Apl. 24	...	48	58.36	3	29	59.9	R												
May 3	...	48	58.67	3	29	59.8	M												
7	...	48	58.64	3	29	59.9	M												
486 29 Leonis π																			
Mar. 10	...	9	53	49.06	...	81	22	32.2	M										
12	...	53	48.94	...	22	31.1	M												
14	...	53	49.06	...	22	33.7	M												
27	...	53	49.06	...	22	31.1	M												
Apl. 1	...	53	49.06	...	22	31.8	R												
7	...	53	49.10	...	22	31.4	R												
8	...	53	49.13	...	22	31.9	R												
12	...	53	49.06	...	22	30.5	R												

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Number and Date.	Magnitude.	Mean Right Ascension 1879.			No. of Wires.	Mean Polar Distance 1879.			Observer.	Number and Date.	Magnitude.	Mean Right Ascension 1879.			No. of Wires.	Mean Polar Distance 1879.			Observer.	
		h.	m.	s.		o.	'	"				h.	m.	s.		o.	'	"		
Apl. 14	...	9	58	48.98	...	81	22	31.0	R	492 <i>γ Antliae.</i>	Mar. 14	6.8	10	18	21.83	...	119	2	12.5	M
18	...	58	49.21	...	22	31.3	R	15	6.1			18	21.85	...	2	11.7	M			
21	...	58	49.04	...	22	30.9	R	29	5.7			18	21.61	...	2	13.1	M			
23	...	58	49.06	...	22	31.8	R													
25	...	58	48.98	...	22	31.5	R													
28	...	58	49.09	...	22	31.0	R													
May 2	...	58	48.94	...	22	30.0	M													
487 <i>32 Leonis α, Regulus.</i>										493 <i>30 Leonis Minoris.</i>										
May 3	...	10	1	55.69	...	77	26	29.6	M	Mar. 24	...	10	18	58.51	...	55	35	16.7	M	
7	...	1	55.54	...	26	31.1	M	Apl. 2	...	18	58.38	...	35	18.0	R					
8	...	1	55.45	...	26	30.0	M	4	...	18	58.45	...	35	17.9	R					
13	...	1	55.54	...	26	29.9	M	5	...	18	58.51	...	35	17.4	R					
488 <i>32 Ursae Majoris.</i>										494 <i>Lacaille 4296.</i>										
Mar. 11	5.8	10	9	18.77	...	24	17	17.0	M	Apl. 3	5.6	10	19	22.35	...	156	17	21.4	R	
489 <i>33 Ursae Majoris λ</i>										495 <i>31 Leonis Minoris β</i>										
Mar. 12	...	10	9	47.52	...	46	28	54.6	M	Mar. 13	...	10	20	53.19	...	52	40	23.8	M	
13	...	9	47.84	...	28	55.2	M	Apl. 7	...	20	52.99	...	40	22.5	R					
490 <i>R. P. L. 72.</i>										496 <i>36 Ursae Majoris.</i>										
Mar. 27	...	10	11	48.04	3	5	8	5.8	M	Mar. 31	5.0	10	22	52.32	...	33	28	58.7	M	
Apl. 8	...	11	48.59	...	3	8	9.5	R	Apl. 5	5.1	22	52.79	...	28	58.7	R				
May 1	...	11	48.49	...	3	8	4.0	R	497 <i>Taylor 4694.</i>											
491 <i>41 Leonis γ¹</i>										498 <i>s Carinae.</i>										
Apl. 9	...	10	13	17.96	...	69	32	43.6	R	Apl. 4	5.0	10	28	26.31	...	148	7	19.1	R	
12	...	13	17.98	...	32	46.8	R	19	5.1	28	26.56	...	7	18.5	R					
14	...	13	18.09	...	32	47.1	M	21	5.1	23	26.28	...	7	18.6	R					
16	...	13	17.99	...	32	47.2	R	23	5.0	23	26.15	...	7	19.9	R					
19	...	13	17.96	...	32	47.7	R	499 <i>s Carinae.</i>												
22	...	13	17.93	...	32	47.1	R	Apl. 4	5.0	10	28	26.31	...	148	7	19.1	R			
24	...	13	18.04	...	32	47.9	R	19	5.1	28	26.56	...	7	18.5	R					
26	...	13	18.00	...	32	47.6	R	21	5.1	23	26.28	...	7	18.6	R					
29	...	13	18.00	...	32	47.8	R	23	5.0	23	26.15	...	7	19.9	R					
May 8	...	13	17.97	...	32	48.1	M	499 <i>s Carinae.</i>												
12	...	13	18.09	...	32	48.4	M	Apl. 4	5.0	10	28	26.31	...	148	7	19.1	R			

48.91

55.57

18.05
19.75

17.14

18.06

58.43
5.0

21.53
17.2
.91
2.03

52.97

52.78

26.24

Separate Results of Madras Meridian Circle Observations in 1879.

Number and Date.	Magnitude.	Mean Right Ascension 1879.			No. of Wires.	Mean Polar Distance 1879.			Observer.	Number and Date.	Magnitude.	Mean Right Ascension 1879.			No. of Wires.	Mean Polar Distance 1879.			Observer.	
		h.	m.	s.		°	'	"				h.	m.	s.		°	'	"		
514 <i>53 Leonis l.</i>																				
Apl. 9	...	10	42	53.76	...	78	48	52.2	R											
16	...	42	53.77	...	48	51.6	R													
17	...	42	53.77	...	48	51.9	R													
21	...	42	53.78	...	48	51.3	R													
23	...	42	53.77	...	48	52.1	R													
25	...	42	53.75	...	48	53.7	R													
28	...	42	53.73	...	48	52.6	R													
May 1	...	42	53.77	...	48	51.7	R													
3	...	42	53.66	...	48	54.8	M													
9	...	42	53.73	...	48	51.5	M													
10	...	42	53.78	...	48	51.1	M													
13	...	42	53.89	...	48	52.6	M													
14	...	42	53.86	...	48	52.9	M													
15	...	42	53.69	...	48	54.4	M													
515 <i>63 Leonis χ</i>																				
Apl. 17	...	10	58	46.52	...	82	0	33.7	R											
19	...	58	46.51	...	0	34.3	R													
23	...	58	46.50	...	0	34.5	R													
24	...	58	46.44	...	0	36.0	R													
26	...	58	46.49	...	0	36.0	R													
29	...	58	46.50	...	0	35.8	R													
May 10	...	58	46.48	...	0	35.2	M													
17	...	58	46.61	...	0	35.3	M													
516 <i>Taylor 5054.</i>																				
Mar. 27	6.9	11	1	21.22	...	148	1	16.8	X											
517 <i>68 Leonis δ</i>																				
Apl. 22	...	11	7	40.45	...	68	48	47.0	R											
25	...	7	40.42	...	48	47.7	R													
30	...	7	40.38	...	48	47.8	R													
518 <i>12 Crateris δ</i>																				
Apl. 8	...	11	13	17.49 ⁸	...	104	7	25.2	R											
23	...	13	17.49	...	7	24.7	R													
24	...	13	17.46	...	7	25.0	R													
26	...	13	17.45	...	7	26.5	R													
29	...	13	17.45 ⁸	...	7	23.9	R													
May 17	...	13	17.45 ⁸	...	7	25.9	X													
519 <i>Taylor 5198.</i>																				
Apl. 1	8.0	11	17	21.31	...	147	39	6.3	R											
2	8.0	17	21.49	...	39	5.4	R													
520 <i>Lacaille 4809.</i>																				
Apl. 5	...	11	30	26.46 ⁶	...	150	55	13.3	R	26.44										
7	...	30	26.47 ⁷	...	55	12.8	R	47												
8	8.0	30	26.67 ⁷	...	55	13.9	R	73												
9	8.0	30	26.70 ⁸	...	55	14.0	R	76												
May 1	7.0	30	26.78 ⁸	...	55	13.0	R	83												
521 <i>91 Leonis ν</i>																				
Apl. 21	...	11	30	45.21	...	90	9	20.2	R											
23	...	30	45.17	...	9	20.0	R													
30	...	30	45.16	...	9	19.4	R													
522 <i>Anon.</i>																				
Apl. 1	8.2	11	31	52.98	...	150	48	52.1	R											
3	8.2	31	52.96	...	48	55.1	R													
523 <i>ο Hydrae.</i>																				
Mar. 29	5.4	11	34	12.33	...	124	4	26.5	M											
Apl. 2	5.6	34	12.31	...	4	26.4	R													
524 <i>63 Ursae Majoris χ</i>																				
Apl. 3	4.1	11	39	39.26 ³	...	41	32	56.1	X	45.77										
525 <i>λ Muscae.</i>																				
Apl. 1	4.5	11	39	54.18	...	156	3	29.8	R											
526 <i>Taylor 5402.</i>																				
Apl. 2	5.6	11	40	39.91	...	150	30	20.3	R											
5	5.6	40	39.81 ⁵	...	30	18.8	R													
527 <i>93 Leonis.</i>																				
Apl. 4	5.0	11	41	44.60	...	69	6	29.1	R											
7	4.6	41	44.34 ⁶	...	6	30.5	R	44.48												

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5448
41

2478
83
88

150

194
217
198

1657

Number and Date.	Magnitude.	Mean Right Ascension 1879.			No. of Wires.	Mean Polar Distance 1879.			Observer.	Number and Date.	Magnitude.	Mean Right Ascension 1879.			No. of Wires.	Mean Polar Distance 1879.			Observer.
		h.	m.	s.		o.	'	"				h.	m.	s.		o.	'	"	
542 14 Comæ.									549 23 Comæ.										
Apl. 17	5.2	12	20	20.99	4	62	3	39.2	R	Apl. 16	4.9	12	28	49.40	...	66	42	14.2	R
										17	4.6			28	49.55	...	42	13.7	R
543 15 Comæ γ									550 τ Centauri.										
Apl. 16	4.8	12	20	54.4 ⁸	...	61	3	30.8	R	Apl. 22	5.0	12	31	5.16	...	187	52	29.2	R
18	4.6			20 54.40	...			3 29.9	R	23	5.0			31 5.30	...			52 30.4	R
544 16 Comæ.									551 δ Hydræ.										
Apl. 19	5.1	12	20	56.03	...	62	30	13.6	R	Apl. 18	5.6	12	31	17.44 ²⁴	...	116	28	9.7	R
22	5.0			20 56.02	...			30 13.2	R										
23	5.0			20 56.04	...			30 13.2	R	552 29 Virginis γ^1 —North.									
545 σ Centauri.									June 3 ... 12 35 31.72 ... 90 47 8.5 R										
Apl. 26	4.6	12	31	29.74	...	139	33	37.0	R	553 Taylor 5339.									
28	4.5			21 29.7 ⁶	...			33 36.0	R	Apl. 16	5.7	12	35	58.9 ⁸	...	188	8	52.4	R
29	4.5			21 29.7 ⁷	...			33 35.4	R	17	5.6			35 54.1 ²	...			8 51.8	R
30	4.6			21 29.8 ¹	...			33 37.7	R	554 ι Crucis.									
546 u Centauri.									Apl. 18 ... 12 38 31.65 ⁵ ... 150 19 0.1 R										
Apl. 21	5.0	12	21	56.47	...	123	22	14.3	R	19	6.0			38 31.6 ²	...			19 1.0	R
547 9 Corvi β									555 27 Comæ.										
May 2	...	12	28	1.89 ²⁰	...	112	43	36.4	M	Apl. 16	5.2	12	40	36.45	...	72	45	39.6	R
5	...			28 1.75	...			43 36.9	M	556 Taylor 5918.									
6	...			28 1.88	...			43 38.0	M	Apl. 17	5.6	12	46	16.6 ⁵	...	138	17	2.6	R
7	...			28 1.89	...			43 35.0	M	557 κ Crucis.									
8	...			28 1.99	...			43 36.5	M	Apl. 23	5.6	12	46	35.98	...	149	48	7.7	R
9	...			28 1.90	...			43 35.2	M	24	5.7			46 36.06	...			48 6.8	R
14	...			28 1.90 ⁴	...			43 37.3	M	558 n Centauri.									
15	...			28 2.1 ¹	...			43 37.0	M	Apl. 16	5.2	12	46	44.4 ²	...	129	31	13.2	R
16	...			28 1.95 ²	...			43 36.4	M	18	5.1			46 44.2 ¹⁷	...			31 12.4	R
22	...			28 1.74	...			43 37.3	M	548 5 Draconis κ									
24	...			28 1.98	...			43 36.8	M	Apl. 19	4.0	12	28	18.5 ³	...	10	32	38.1	R
26	...			28 1.92	...			43 37.8	M	21	4.2			28 18.58	...			32 40.7	R

17.24

53.97
4.08

31.58
5.3

16.65

44.40

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		h.	m.	s.		o.	'	"				h.	m.	s.		o.	'	"	
559 35 Comæ.																			
Apl. 26	5.0	12	47	20.17	...	68	5	50.1	R	Apl. 19	5.2	12	54	29.06	...	58	33	42.1	R
28	5.0		47	20.29	...		5	48.5	R										
560 α Centauri—1st.																			
Apl. 19	5.1	12	47	29.26	...	146	31	12.2	R	May 6	...	12	55	32.20	...	32	58	52.7	M
21	5.1		47	29.19	...		31	9.6	R	7	...		55	32.22	...		58	50.7	M
22	5.1		47	29.19	...		31	14.4	R	8	...		55	31.91	...		58	50.4	M
9					9	...		55	32.03	...		58	50.7	M
561 R. P. L. 99.																			
May 10	...	12	48	15.04	2	5	55	44.8	M										
24	...		48	14.86	3		55	44.3	M										
562 Taylor 5944.																			
Apl. 29	5.6	12	48	49.91	...	146	10	47.3	R										
May 3	5.5		48	50.10	...		10	46.2	M										
5	5.6		48	49.91	...		10	47.1	M										
563 Lacaille 5335.																			
Apl. 24	10.0	12	51	24.31	4	160	10	51.0	R										
25	10.0		51	24.33	...		10	51.3	R										
30	10.0		51	24.33	4		10	51.1	R										
564 Anon.																			
Apl. 16	10.0	12	51	40.37	...	105	59	33.0	R										
17	10.0		51	40.42	4		59	32.1	R										
18	10.0		51	40.44	5		59	32.0	R										
21	10.0		51	40.35	3		59	31.3	R										
22	10.0		51	40.38	...		59	31.2	R										
23	10.0		51	40.28	...		59	31.9	R										
May 1	10.0		51	40.58	...		59	33.3	R										
565 37 Comæ.																			
Apl. 19 5.2 12 54 29.06 ... 58 33 42.1 R																			
566 78 Ursæ Majoris.																			
May 6 ... 12 55 32.20 ... 32 58 52.7 M																			
7 ... 55 32.22 ... 58 50.7 M																			
8 ... 55 31.91 ... 58 50.4 M																			
9 ... 55 32.03 ... 58 50.7 M																			
567 ξ ¹ Centauri.																			
Apl. 26	5.6	12	56	33.40	...	188	52	33.1	R										
28	5.6		56	33.53	...		52	32.8	R										
29	5.6		56	33.43	...		52	32.7	R										
568 Anon.																			
Apl. 17	8.9	12	56	33.68	...	106	13	44.9	R										
18	8.6		56	33.68	...		13	45.2	R										
23	8.0		56	33.44	...		13	48.3	R										
25	8.0		56	33.55	...		13	46.1	R										
May 1	8.6		56	33.53	...		13	46.7	R										
569 Anon.																			
Apl. 21	10.0	12	56	58.77	3	113	17	25.7	R										
570 ξ ² Centauri.																			
May 2	5.2	12	59	51.13	...	139	15	25.7	M										
14	5.0		59	51.03	...		15	27.8	M										
15	5.3		59	50.42	...		15	27.5	M										
17	5.0		59	51.03	...		15	27.1	M										
571 θ Muscæ.																			
May 27	5.7	13	0	19.53	...	154	30	32.6	M										
June 3	6.0		0	19.71	...		39	28.2	R										
7	6.0		0	19.53	...		39	32.7	R										
572 39 Comæ.																			
Apl. 14	...	13	0	27.44	...	68	11	49.5	M										
22	...		0	27.31	...		11	48.1	R										
24	...		0	27.40	...		11	49.4	R										
28	...		0	27.39	...		11	48.8	R										

15.15
14.47
95
84
14.46

33.56
48

33.66
62

54

51.12
18
11
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40.36
37

19.69

27.38

Separate Results of Madras Meridian Circle Observations in 1879.

Number and Date.	Magnitude.	Mean Right Ascension 1879.			No. of Wires.	Mean Polar Distance 1879.			Observer.	Number and Date.	Magnitude.	Mean Right Ascension 1879.			No. of Wires.	Mean Polar Distance 1879.			Observer.
		h.	m.	s.		o.	'	"				h.	m.	s.		o.	'	"	
573		<i>41 Comæ.</i>																	
Apl. 18	4.4	13	1	22.44	...	61	43	31.5	R	June 12	5.6	18	5	18.44	...	127	9	37.7	R
19	4.4	1	22.26	...		43	32.5	R	14	5.6	5	18.46	...		9	37.6	R		
23	4.5	1	22.32	...		43	31.9	R	16	5.7	5	18.52	...		9	36.5	R		
574		<i>49 Virginis.</i>																	
May 13	5.3	13	1	33.40	...	100	5	34.5	M	Apl. 22	4.6	13	6	13.47	...	61	30	28.6	R
16	5.2	1	33.42	...		5	35.7	M	24	4.6	6	13.65	...		30	30.4	R		
24	5.0	1	33.05	...		5	32.6	M											
June 9	5.2	1	33.29	...		5	32.5	R											
575		<i>B. F. 1805.</i>																	
Apl. 25	5.6	13	2	13.95	...	98	20	7.8	R	Apr. 28	5.6	13	6	45.39	...	148	27	20.9	R
26	5.6	2	14.00	...		20	7.8	R	30	5.6	6	46.09	...		27	21.6	R		
29	5.6	2	13.39	...		20	8.1	R	May 27	5.7	6	46.19	...		27	23.5	M		
30	5.6	2	14.13	...		20	8.2	R	June 3	5.8	6	46.26	...		27	21.2	R		
576		<i>45 Hydræ ♋</i>																	
Apl. 21	4.7	13	2	32.28	...	112	28	12.2	R										
577		<i>51 Virginis θ</i>																	
May 28	...	13	3	41.26	...	94	53	31.6	M										
578		<i>42 Comæ α</i>																	
May 3	4.6	13	4	6.20	...	71	49	48.4	M										
579		<i>Taylor 6056.</i>																	
May 1	5.0	13	4	28.47	...	132	43	28.3	R	Apr. 24	5.0	13	12	4.41	...	107	38	14.2	R
9	5.2	4	28.45	...		43	28.1	M	28	4.7	12	4.53	...		38	13.2	R		
12	5.3	4	28.56	...		43	24.4	M											
June 11	5.0	4	28.48	...		43	22.2	R											
580		<i>Taylor 6057.</i>																	
June 13	5.6	13	4	45.08	...	149	16	32.1	R	May 1	5.0	13	12	6.38	...	48	47	20.6	R
19	5.6	4	45.15	...		16	34.6	R	5	5.3	12	6.93	...		47	20.6	M		
									16	5.0	12	6.77	...		47	19.8	M		
581		<i>γ Centauri.</i>																	
June 12	5.6	18	5	18.44	...	127	9	37.7	R										
14	5.6	5	18.46	...		9	37.6	R											
16	5.7	5	18.52	...		9	36.5	R											
582		<i>43 Comæ β</i>																	
Apl. 22	4.6	13	6	13.47	...	61	30	28.6	R										
24	4.6	6	13.65	...		30	30.4	R											
583		<i>Taylor 6077.</i>																	
Apr. 28	5.6	13	6	45.39	...	148	27	20.9	R	Apr. 28	5.6	13	6	45.39	...	148	27	20.9	R
30	5.6	6	46.09	...		27	21.6	R	30	5.6	6	46.09	...		27	21.6	R		
May 27	5.7	6	46.19	...		27	23.5	M	May 27	5.7	6	46.19	...		27	23.5	M		
June 3	5.8	6	46.26	...		27	21.2	R	June 3	5.8	6	46.26	...		27	21.2	R		
584		<i>m Canum Venaticorum.</i>																	
Apl. 21	5.1	13	8	13.45	...	49	12	18.6	R	Apr. 21	5.1	13	8	13.45	...	49	12	18.6	R
23	5.0	8	13.28	...		12	20.3	R	23	5.0	8	13.28	...		12	20.3	R		
585		<i>57 Virginis.</i>																	
Apl. 25	5.6	13	9	26.11	...	109	17	54.6	R	Apr. 25	5.6	13	9	26.11	...	109	17	54.6	R
28	5.6	9	26.17	...		17	55.2	R	28	5.6	9	26.17	...		17	55.2	R		
29	5.6	9	26.18	...		17	54.7	R	29	5.6	9	26.18	...		17	54.7	R		
586		<i>γ Centauri.</i>																	
May 14	5.6	13	10	10.08	...	120	51	55.2	M	May 14	5.6	13	10	10.08	...	120	51	55.2	M
15	5.5	10	9.91	...		51	55.3	M	15	5.5	10	9.91	...		51	55.3	M		
22	5.6	10	9.91	...		51	55.4	M	22	5.6	10	9.91	...		51	55.4	M		
June 6	5.8	10	10.02	...		51	52.6	R	June 6	5.8	10	10.02	...		51	52.6	R		
7	6.0	10	9.57	...		51	54.0	R	7	6.0	10	9.57	...		51	54.0	R		
587		<i>61 Virginis.</i>																	
Apl. 24	5.0	13	12	4.41	...	107	38	14.2	R	Apr. 24	5.0	13	12	4.41	...	107	38	14.2	R
28	4.7	12	4.53	...		38	13.2	R	28	4.7	12	4.53	...		38	13.2	R		
588		<i>20 Canum Venaticorum.</i>																	
May 1	5.0	13	12	6.38	...	48	47	20.6	R	May 1	5.0	13	12	6.38	...	48	47	20.6	R
5	5.3	12	6.93	...		47	20.6	M	5	5.3	12	6.93	...		47	20.6	M		
16	5.0	12	6.77	...		47	19.8	M	16	5.0	12	6.77	...		47	19.8	M		

2.2.21

33.42
43

16.01
13

23.51
57
68

45.74
34

18.57
60
60
60

46.07
113

26.15

10.11
9.96
10.07
10.2

4.53

6.86
68

Separate Results of Madras Meridian Circle Observations in 1879.

Number and Date.	Magnitude.	Mean Right Ascension 1879.			No. of Wires.	Mean Polar Distance 1879.			Observer.	Number and Date.	Magnitude.	Mean Right Ascension 1879.			No. of Wires.	Mean Polar Distance 1879.			Observer.
		h.	m.	s.		o.	'	"				h.	m.	s.		o.	'	"	
589 <i>Anon.</i>																			
Apl. 22	10.0	13	16	25.49	...	108	24	42.3	R	May 10	...	13	28	31.64	...	89	58	34.5	M
24	10.0	16	25.46	...	24	41.4	R	28	...		28	31.62	...	58	34.0	M			
26	10.0	16	25.56	...	24	41.0	R	June 3	...		28	31.78	...	58	34.6	R			
29	10.0	16	25.37	...	24	41.3	R	6	...		28	31.73	...	58	33.3	R			
May 1	10.0	16	25.49	...	24	42.6	R	7	...		28	31.74	...	58	34.5	R			
								9	...		28	31.68	...	58	32.7	R			
590 <i>Anon.</i>																			
Apl. 23	9.4	13	16	37.07	...	108	34	3.2	R	May 10	...	13	28	31.64	...	89	58	34.5	M
25	9.5	16	37.03	...	34	2.8	R	28	...		28	31.62	...	58	34.0	M			
28	9.5	16	36.99	...	34	3.4	R	June 3	...		28	31.78	...	58	34.6	R			
30	9.6	16	36.88	...	34	2.0	R	6	...		28	31.73	...	58	33.3	R			
June 7	9.3	16	36.91	...	34	4.1	R	7	...		28	31.74	...	58	34.5	R			
								9	...		28	31.68	...	58	32.7	R			
591 <i>67 Virginis α, Spica.</i>																			
June 6	...	13	18	49.08	...	100	31	44.1	R	May 10	...	13	28	31.64	...	89	58	34.5	M
16	...	18	49.13	...	31	45.0	R	28	...		28	31.62	...	58	34.0	M			
July 2	...	18	49.21	...	31	43.8	M	June 3	...		28	31.78	...	58	34.6	R			
7	...	18	49.25	...	31	44.6	M	6	...		28	31.73	...	58	33.3	R			
592 <i>O. A. S. 12862.</i>																			
May 3	7.7	13	19	23.55	...	109	11	7.5	M	May 10	...	13	28	31.64	...	89	58	34.5	M
12	7.6	19	23.51	...	11	6.4	M	28	...		28	31.62	...	58	34.0	M			
13	7.6	19	23.62	...	11	6.9	M	June 3	...		28	31.78	...	58	34.6	R			
June 9	7.6	19	23.46	...	11	4.5	R	6	...		28	31.73	...	58	33.3	R			
								7	...		28	31.74	...	58	34.5	R			
593 <i>R. P. L. 103.</i>																			
June 12	...	13	19	34.18	3	4	36	48.3	R	May 10	...	13	28	31.64	...	89	58	34.5	M
May 1	5.6	22	0.40	...	140	32	14.9	R	28		...	28	31.62	...	58	34.0	M		
									June 3		...	28	31.78	...	58	34.6	R		
									6		...	28	31.73	...	58	33.3	R		
594 <i>Taylor 6206.</i>																			
Apl. 29	5.6	13	22	0.40	...	140	32	14.9	R	May 10	...	13	28	31.64	...	89	58	34.5	M
30	5.6	22	0.28	...	32	14.5	R	28	...		28	31.62	...	58	34.0	M			
May 1	5.6	22	0.35	...	32	14.6	R	June 3	...		28	31.78	...	58	34.6	R			
								6	...		28	31.73	...	58	33.3	R			
595 <i>Taylor 6235.</i>																			
Apl. 25	8.2	13	24	10.26	...	70	18	57.3	R	May 10	...	13	28	31.64	...	89	58	34.5	M
26	8.2	24	10.17	...	18	58.2	R	28	...		28	31.62	...	58	34.0	M			
596 <i>79 Virginis ζ</i>																			
May 10	...	13	28	31.64	...	89	58	34.5	M	May 10	...	13	28	31.64	...	89	58	34.5	M
28	...	28	31.62	...	58	34.0	M	28	...		28	31.62	...	58	34.0	M			
June 3	...	28	31.78	...	58	34.6	R	June 3	...		28	31.78	...	58	34.6	R			
6	...	28	31.73	...	58	33.3	R	6	...		28	31.73	...	58	33.3	R			
7	...	28	31.74	...	58	34.5	R	7	...		28	31.74	...	58	34.5	R			
9	...	28	31.68	...	58	32.7	R	9	...		28	31.68	...	58	32.7	R			
11	...	28	31.71	...	58	33.4	R	11	...		28	31.71	...	58	33.4	R			
13	...	28	31.72	...	58	32.3	R	13	...		28	31.72	...	58	32.3	R			
16	...	28	31.67	...	58	35.1	R	16	...		28	31.67	...	58	35.1	R			
19	...	28	31.63	...	58	34.0	R	19	...		28	31.63	...	58	34.0	R			
July 7	...	28	31.74	...	58	34.9	M	July 7	...		28	31.74	...	58	34.9	M			
										
597 <i>5 Bootis υ</i>																			
Apl. 29	4.3	13	43	38.53	...	73	36	2.8	R		May 10	...	13	28	31.64	...	89	58	34.5	M
30	4.3	43	38.42	...	36	2.4	R	28	...	28		31.62	...	58	34.0	M			
598 <i>Taylor 6424—2nd.</i>																			
May 1	5.6	13	44	17.46	...	142	12	37.4	R	May 10	...	13	28	31.64	...	89	58	34.5	M
2	5.7	44	17.47	...	12	36.1	M	28	...		28	31.62	...	58	34.0	M			
3	5.6	44	17.57	...	12	36.6	M	June 3	...		28	31.78	...	58	34.6	R			
599 <i>3 Centauri h</i>																			
May 5	4.6	13	44	50.53	...	122	23	32.6	M	May 10	...	13	28	31.64	...	89	58	34.5	M
6	4.6	44	50.78	...	23	32.2	M	28	...		28	31.62	...	58	34.0	M			
7	4.7	44	50.68	...	23	30.5	M	June 3	...		28	31.78	...	58	34.6	R			
600 <i>4 Centauri h</i>																			
May 8	5.2	13	46	14.77	...	121	19	44.5	M	May 10	...	13	28	31.64	...	89	58	34.5	M
9	5.1	46	14.89	...	19	43.2	M	28	...		28	31.62	...	58	34.0	M			
601 <i>Runkler 360.</i>																			
May 13	8.0	13	46	15.41	...	150	44	16.5	M	May 10	...	13	28	31.64	...	89	58	34.5	M
14	8.0	46	15.43	...	44	18.0	M	28	...		28	31.62	...	58	34.0	M			
15	8.0	46	15.45	...	44	17.7	M	June 3	...		28	31.78	...	58	34.6	R			
602 <i>10 Draconis i</i>																			
May 10	4.6	13	47	54.09	...	24	40	40.1	M	May 10	...	13	28	31.64	...	89	58	34.5	M
16	4.8	47	54.00	...	40	41.4	M	28	...		28	31.62	...	58	34.0	M			

25.34
-37

36.51
-50
-42

49.04
-13
-27
-26

23.54
620 -72
-47

32.56

0.44
-42
-40

31.73
-64
-76
-66
-65
-73

17.51

16.11
-11
-15.91
-16.84

Separate Results of Madras Meridian Circle Observations in 1879.

Number and Date.	Magnitude.	Mean Right Ascension. 1879.			No. of Wires.	Mean Polar Distance. 1879.			Observer.	Number and Date.	Magnitude.	Mean Right Ascension. 1879.			No. of Wires.	Mean Polar Distance. 1879.			Observer.
		h.	m.	s.		°	'	"				h.	m.	s.		°	'	"	
603 8 Bootis η																			
June 6	...	13	48	55.48	...	70	59	41.1	R	May 6	5.0	14	9	49.40	...	19	59	55.7	M
14	...	48	55.38	...	...	59	41.9	R	8	5.4	9	49.63	...	...	...	59	53.9	M
18	...	48	55.42	...	...	59	41.4	R	9	5.5	9	49.67	...	...	...	59	51.6	M
19	...	48	55.47	...	...	59	41.6	R										
20	...	48	55.47	...	...	59	40.5	R										
604 G. Z. C. XIII. 3120.																			
June 9	8.5	18	51	1.39	...	149	58	33.8	R	June 18	...	14	10	8.56	...	70	11	13.4	R
11	8.8	51	1.38	...	...	58	32.8	R	20	...	10	8.67	...	...	...	11	11.2	R
12	8.7	51	1.28	...	...	58	32.5	R	28	...	10	8.62	...	...	...	11	10.2	R
18	9.0	51	1.39	...	...	58	32.1	R	30	...	10	8.58	...	...	...	11	12.3	R
										July 2	...	10	8.65	11	13.5	M
605 93 Virginis τ																			
June 7	...	13	55	29.32	...	87	52	8.9	R	May 12	4.6	14	11	39.72	...	185	29	54.3	M
11	...	55	29.32	...	...	52	6.7	R	18	4.5	11	39.71	...	...	...	29	53.7	M
12	...	55	29.33	...	...	52	6.9	R	27	4.8	11	39.61	...	...	...	29	54.3	M
16	...	55	29.37	...	...	52	7.6	R	June 7	4.5	11	39.61	...	...	...	29	54.3	R
19	...	55	29.35	...	...	52	8.4	R	9	4.5	11	39.68	...	...	...	29	52.9	R
20	...	55	29.27	...	...	52	7.9	R										
21	...	55	29.36	...	...	52	8.2	R										
30	...	55	29.37	...	...	52	7.9	R										
July 7	...	55	29.26	...	...	52	8.5	M										
12	...	55	29.52	...	...	52	8.1	M										
606 R. P. L. 108.																			
June 3	...	14	1	50.55	3	3	39	48.0	R	May 17	4.5	14	11	52.21	...	88	4	26.6	M
										24	4.6	11	52.84	4	26.6	M
										June 3	4.0	11	52.95	4	26.8	R
										11	4.5	11	52.51	4	24.4	R
										12	4.4	11	52.86	4	25.1	R
Oct. 14	...	14	1	50.72	3	3	39	47.6	M										
607 17 Bootis κ -2nd.																			
May 5	5.3	14	9	9.07	...	37	38	50.2	M	May 2	5.3	14	13	12.34	...	127	19	39.1	M
608 4 Ursæ Minoris.																			
May 3	4.4	14	9	20.94	...	11	53	1.8	M	May 22	5.0	14	18	22.60	...	184	40	22.5	M
7	4.5	9	20.83	...	...	53	1.7	M										
10	4.5	9	21.08	...	...	53	0.8	M										
609 Radcliffe 3170.																			
May 6	5.0	14	9	49.40	...	19	59	55.7	M	June 7	5.2	14	18	24.19	...	184	40	51.7	R
8	5.4	9	49.63	...	...	59	53.9	M										
9	5.5	9	49.67	...	...	59	51.6	M										
610 16 Bootis α , Arcturus.																			
June 18	...	14	10	8.56	...	70	11	13.4	R										
20	...	10	8.67	...	...	11	11.2	R										
28	...	10	8.62	...	...	11	10.2	R										
30	...	10	8.58	...	...	11	12.3	R										
July 2	...	10	8.65	...	...	11	13.5	M										
611 ι Lupi.																			
May 12	4.6	14	11	39.72	...	185	29	54.3	M	May 17	4.5	14	11	52.21	...	88	4	26.6	M
18	4.5	11	39.71	...	...	29	53.7	M	24	4.6	11	52.84	...	...	...	4	26.6	M
27	4.8	11	39.61	...	...	29	54.3	M	June 3	4.0	11	52.95	...	...	...	4	26.8	R
June 7	4.5	11	39.61	...	...	29	54.3	R	11	4.5	11	52.51	...	...	...	4	24.4	R
9	4.5	11	39.68	...	...	29	52.9	R	12	4.4	11	52.86	...	...	...	4	25.1	R
612 19 Bootis λ																			
May 14	4.3	14	11	47.08	...	43	21	18.9	M										
15	4.3	11	46.53	...	...	21	18.7	M										
16	4.3	11	47.17	...	...	21	19.6	M										
613 21 Bootis ϵ -1st.																			
May 17	4.5	14	11	52.21	...	88	4	26.6	M	May 17	4.5	14	11	52.21	...	88	4	26.6	M
24	4.6	11	52.84	...	...	4	26.6	M	24	4.6	11	52.84	...	...	...	4	26.6	M
June 3	4.0	11	52.95	...	...	4	26.8	R	June 3	4.0	11	52.95	...	...	...	4	26.8	R
11	4.5	11	52.51	...	...	4	24.4	R	11	4.5	11	52.51	...	...	...	4	24.4	R
12	4.4	11	52.86	...	...	4	25.1	R	12	4.4	11	52.86	...	...	...	4	25.1	R
614 ψ Centauri.																			
May 2	5.3	14	13	12.34	...	127	19	39.1	M										
615 τ^1 Lupi.																			
May 22	5.0	14	18	22.60	...	184	40	22.5	M										
616 τ^2 Lupi.																			
June 7	5.2	14	18	24.19	...	184	40	51.7	R										

Separate Results of Madras Meridian Circle Observations in 1879.

Number and Date.	Magnitude.	Mean Right Ascension 1879.			No. of Wires.	Mean Polar Distance 1879.			Observer.	Number and Date.	Magnitude.	Mean Right Ascension 1879.			No. of Wires.	Mean Polar Distance 1879.			Observer.			
		h.	m.	s.		o.	'	"				h.	m.	s.		o.	'	"				
617 23 Bootis θ																						
4.25 .49 .27 .51 .42	May 13	4.3	14	21	4.38 ²	...	37	35	19.2	M	May 2	...	14	27	12.4 ⁰	...	51	9	39.8	M	12.40	
	14	4.2	21	4.32	...		35	21.3	M													
	16	4.0	21	4.54 ³	...		35	21.4	M													
	June 11	4.5	21	4.66 ⁵⁷	...		35	20.4	R													
618 52 Hydræ.																						
5.24 .38 .38 5.36	May 17	...	14	21	5.25 ⁹	...	118	56	47.0	M	May 3	4.0	14	27	48.49	...	13	45	55.3	M		
	June 9	...	21	5.19 ³⁸	...		56	45.4	R	7	4.1	27	48.21	...		45	55.0	M				
	12	...	21	5.29 ³⁸	...		56	43.7	R													
619 105 Virginis ϕ																						
	May 5	5.0	14	21	57.92	...	91	41	5.0	M												
	8	5.8	21	58.13	...		41	6.1	M													
620 Taylor 6786.																						
25.99 .75 9.07	May 10	7.2	14	26	28.77	...	146	1	43.7	M	May 6	5.2	14	35	42.32	...	81	19	10.1	M		
	12	7.0	26	28.89 ⁴⁹	...		1	45.9	M	8	5.2	35	42.26	...		19	9.9	M				
	June 7	7.2	26	28.66 ⁸⁷	...		1	46.2	R	14	5.1	35	42.16	...		19	9.8	M		47.14		
	13	7.5	26	28.84 ⁸⁷	...		1	43.0	R													
621 25 Bootis ρ																						
36.91 .93 .94 .95 .94 .57 .97 5.0 9.0 .74 .95 .84	June 9	...	14	26	36.98 ¹	...	59	5	46.6	R	May 15	5.2	14	36	15.55 ⁶¹	...	124	39	2.4	M	15.61	
	12	...	26	36.97 ³	...		5	47.4	R	16	5.0	36	15.53 ³⁷	...		39	4.1	M		5.9		
	14	...	26	36.95 ³	...		5	48.0	R													
	18	...	26	36.96 ³	...		5	48.3	R													
	21	...	26	37.01 ^{6.74}	...		5	46.9	R													
	23	...	26	36.89 ⁸⁷	...		5	46.6	R													
	27	...	26	36.92 ⁸⁵	...		5	47.9	R													
	30	...	26	36.93 ²	...		5	49.0	R													
	July 4	...	26	36.84 ³	...		5	49.4	M													
	8	...	26	37.05 ^{6.74}	...		5	47.3	M													
	11	...	26	37.05 ⁴	...		5	48.2	M													
	12	...	26	36.86 ³	...		5	49.7	M													
	15	...	26	36.92 ³	...		5	47.6	M													
	24	...	26	37.00 ⁴	...		5	47.0	M													
622 R Camelopardi, Var. 1.—s.p.																						
51.31	Dec. 11	9.7	14	26	51.31 ¹	3	5	37	13.9	R	June 18	4.8	14	38	6.37 ⁶	...	62	57	24.1	R	6.36	
	19	...	26	48.70	3		37	12.0	R	19	4.6	38	6.39 ³⁷	...		57	24.1	R		.37		
	20	...	26	47.22	3		37	10.6	R													
623 27 Bootis γ																						
	May 2	...	14	27	12.4 ⁰	...	51	9	39.8	M												
624 5 Ursæ Minoris.																						
	May 3	4.0	14	27	48.49	...	13	45	55.3	M												
	7	4.1	27	48.21	...		45	55.0	M													
625 ρ Lupi.																						
	May 9	5.0	14	29	45.23	...	138	53	46.9	M	May 9	5.0	14	29	45.23	...	138	53	46.9	M		
	22	5.2	29	45.41	...		53	50.8	M	22	5.2	29	45.41	...		53	50.8	M				
	June 11	5.0	29	45.18	...		53	47.7	R	June 11	5.0	29	45.18	...		53	47.7	R		45.31		
626 31 Bootis.																						
	May 6	5.2	14	35	42.32	...	81	19	10.1	M	May 6	5.2	14	35	42.32	...	81	19	10.1	M		
	8	5.2	35	42.26	...		19	9.9	M	8	5.2	35	42.26	...		19	9.9	M				
	14	5.1	35	42.16	...		19	9.8	M	14	5.1	35	42.16	...		19	9.8	M		47.14		
627 e^2 Centauri.																						
	May 15	5.2	14	36	15.55 ⁶¹	...	124	39	2.4	M	May 15	5.2	14	36	15.55 ⁶¹	...	124	39	2.4	M	15.61	
	16	5.0	36	15.53 ³⁷	...		39	4.1	M	16	5.0	36	15.53 ³⁷	...		39	4.1	M		5.9		
628 107 Virginis μ																						
	May 17	...	14	36	40.98 ⁹	...	95	7	51.5	M	May 17	...	14	36	40.98 ⁹	...	95	7	51.5	M	10.93	
	June 12	...	36	41.00 ⁶	...		7	50.4	R	June 12	...	36	41.00 ⁶	...		7	50.4	R		.06		
	13	...	36	41.03 ³	...		7	47.4	R	13	...	36	41.03 ³	...		7	47.4	R		.05		
	14	...	36	41.06 ¹⁴	...		7	51.9	R	14	...	36	41.06 ¹⁴	...		7	51.9	R		.16		
	16	...	36	41.12	...		7	50.7	R	16	...	36	41.12	...		7	50.7	R				
629 e^2 Centauri.																						
	June 3	5.6	14	37	34.02	...	124	40	40.8	R	June 3	5.6	14	37	34.02	...	124	40	40.8	R		
	7	5.7	37	34.06 ¹⁴	...		40	39.4	R	7	5.7	37	34.06 ¹⁴	...		40	39.4	R		34.04		
	9	5.6	37	33.98 ⁶	...		40	39.0	R	9	5.6	37	33.98 ⁶	...		40	39.0	R		.08		
	11	5.6	37	34.07	...		40	38.2	R	11	5.6	37	34.07	...		40	38.2	R				
630 34 Bootis.																						
	June 18	4.8	14	38	6.37 ⁶	...	62	57	24.1	R	June 18	4.8	14	38	6.37 ⁶	...	62	57	24.1	R	6.36	
	19	4.6	38	6.39 ³⁷	...		57	24.1	R	19	4.6	38	6.39 ³⁷	...		57	24.1	R		.37		

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Number and Date.	Magnitude.	Mean Right Ascension 1879.			No. of Wires.	Mean Polar Distance 1879.			Observer.	Number and Date.	Magnitude.	Mean Right Ascension 1879.			No. of Wires.	Mean Polar Distance 1879.			Observer.		
		h.	m.	s.		o.	'	"				h.	m.	s.		o.	'	"			
631 54 <i>Hydræ m.</i>																					
51.50 0.24 1.13 1.15 1.21 1.13	June 27	...	14	38	59 ⁰⁰ ₂	...	114	55	42.3	R	May 12	...	14	48	44 ⁰⁹ ₉	...	133	4	21.2	M	44.68
	July 2	...	39	0 ¹⁴ ₂	...		55	41.4	M	June 12	...	43	44 ⁴² ₂	...		4	21.5	R	.64		
	4	...	39	0 ⁰⁶ ₇	...		55	40.9	M												
	7	...	39	0 ¹⁴ ₂	...		55	43.6	M												
	8	...	39	0 ⁰⁴ ₂	...		55	40.2	M												
632 35 <i>Bootis o</i>																					
33.59 .82 .60	May 2	4.6	14	39	35 ⁵⁵ ₂	...	72	31	20.8	M											
	June 21	4.8	39	35 ³⁵ ₂	...		31	20.2	R												
	23	...	39	35 ³¹ ₄	...	4	31	19.4	R												
633 36 <i>Bootis e², Mirac.</i>																					
	July 25	...	14	39	42 ²⁵ ₂	...	62	24	58.4	M											
634 109 <i>Virginis.</i>																					
7.58	June 30	...	14	40	7 ⁹ ₅	...	87	35	46.2	R											
	July 24	...	40	8 ⁰⁷ ₂	...		35	44.3	M												
635 55 <i>Hydræ.</i>																					
20.66	July 12	6.2	14	40	20 ⁵⁵ ₂	...	115	6	54.1	M											
	15	5.9	40	20 ⁴⁴ ₂	...		6	54.0	M												
636 56 <i>Hydræ.</i>																					
	May 9	...	14	40	40 ³⁹ ₂	...	115	34	43.7	M											
41.14	June 16	...	40	41 ⁰⁰ ₂	...		34	43.7	R												
637 7 <i>Libræ µ</i>																					
	May 22	5.4	14	42	41 ³³ ₂	...	103	38	36.4	M											
41.17	June 9	5.1	42	41 ²⁰ ₂	...		38	35.0	R												
638 58 <i>Hydræ.</i>																					
11.05 .24 .06 .18	June 13	5.1	14	43	10 ⁵⁵ ₂	...	117	27	14.1	R											
	14	5.0	43	11 ¹⁵ ₂	...		27	13.5	R												
	19	5.1	43	10 ⁴⁰ ₂	...		27	18.1	R												
	20	...	43	10 ³⁸ ₂	...	4	27	13.9	R												
639 o <i>Lupi.</i>																					
	May 12	...	14	48	44 ⁰⁹ ₉	...	133	4	21.2	M	44.68										
	June 12	...	43	44 ⁴² ₂	...		4	21.5	R	.64											
640 9 <i>Libræ α²</i>																					
	June 7	...	14	44	11 ¹⁵ ₂	...	105	32	16.6	R	11.16										
	11	...	44	11 ¹⁵ ₂	...		32	13.4	R	.18											
	21	...	44	11 ⁰⁷ ₂	...		32	15.4	R	.12											
	23	...	44	11 ¹³ ₂	...		32	16.0	R	.19											
	27	...	44	11 ²¹ ₂	...		32	15.6	R	.28											
											.19										
641 37 <i>Bootis ξ--2nd.</i>																					
	May 14	...	14	45	48 ⁵⁰ ₂	...	70	23	46.1	M											
642 15 <i>Libræ ξ²</i>																					
	May 15	...	14	50	12 ⁰⁷ ₂	...	100	55	11.7	M	12.02										
643 16 <i>Libræ.</i>																					
	May 5	...	14	50	51 ⁷⁷ ₂	...	93	52	10.2	M											
644 <i>Radcliffe 3305.</i>																					
	May 8	5.0	14	55	39 ³⁰ ₂	...	23	35	2.2	M											
645 110 <i>Virginis.</i>																					
	May 9	5.0	14	56	47 ³⁵ ₂	...	87	25	55.8	M											
	10	5.0	56	47 ¹⁵ ₂	...		25	56.2	M												
646 <i>Radcliffe 3325.</i>																					
	May 13	5.0	14	58	36 ⁴⁷ ₂	...	6	59	32.3	M	36.52										
	16	5.3	58	36 ⁴⁷ ₂	...		59	30.5	M	5.96											
	24	5.0	58	36 ⁰¹ ₂	...		59	32.2	M												
	July 24	5.5	58	36 ³⁰ ₂	...		59	32.1	M												
647 43 <i>Bootis ψ</i>																					
	June 9	...	14	59	15 ⁷⁸ ₂	...	62	34	44.4	R	15.72										
	13	...	59	15 ⁵⁶ ₂	...		34	45.9	R	.50											
	14	...	59	15 ⁷⁷ ₂	...		34	45.8	R	.70											
	27	...	59	15 ⁰³ ₂	...		34	43.7	R	.61											
	July 9	...	59	15 ⁰⁷ ₂	...		34	46.1	M	.64											
	10	...	59	15 ⁰⁶ ₂	...		34	46.0	R	.64											

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Number and Date.	Magnitude.	Mean Right Ascension 1879.			No of Wires.	Mean Polar Distance 1879.			Observer.	Number and Date.	Magnitude.	Mean Right Ascension 1879.			No. of Wires.	Mean Polar Distance 1879.			Observer.			
		h.	m.	s.		°	'	"				h.	m.	s.		°	'	"				
648 44 Bootis ι .										656 48 Bootis χ												
46.14	May 14	5.3	14	59	48 ¹⁴ ₂₆	...	41	52	24.4	M	May 8	5.3	15	9	25	58 ⁷	...	60	23	9.0	M	
.14	17	5.4		59	48 ¹⁹ ₂₆	...		52	22.9	M	15	5.7		9	25	52 ⁴⁷	...		23	6.9	M	25.47
	June 3	5.0		59	48 ¹¹ ₁₁	...		52	24.2	E	June 3	5.0		9	25	62	...		23	6.4	R	
.16	7	5.2		59	48 ¹⁶ ₂₉	...		52	25.6	R												
649 λ Lupi.										657 μ Lupi—1st.												
	May 6	5.0	15	0	41 ⁷⁹ ₂₃	...	134	48	46.4	M	June 14	5.2	15	10	7	35 ⁵³	...	137	25	41.0	R	7.53
42.03	June 11	5.0		0	41 ⁶³ ₂₃	...		48	43.6	R	16	5.2		10	7	33	...		25	40.3	R	.56
.01	12	5.2		0	41 ⁵⁴ ₂₃	...		48	44.9	R												
.09	19	5.0		0	41 ⁵⁵ ₂₃	...		48	46.3	R												
.11	23	...		0	41 ⁹⁷ ₂₃	4		48	45.7	R												
650 45 Bootis ϵ .										658 2 Lupi.												
59.01	June 16	...	15	1	59 ⁰⁸ ₁	...	64	39	30.3	R	June 9	4.7	15	10	23	13 ²²	...	119	42	7.4	R	28.22
	18	...		1	59 ¹¹ ₁	...		39	31.0	R	12	4.7		10	23	09	...		42	8.4	R	.21
.05	30	...		1	59 ⁰⁷ ₁	...		39	32.3	R	18	4.7		10	23	25 ³⁸	...		42	8.5	R	.38
.25	July 2	...		1	59 ²¹ ₁₄	...		39	31.8	M												
.19	4	...		1	59 ²¹ ₁₄	...		39	33.3	M												
651 Taylor 7053.										659 27 Libræ β												
15.44	July 8	5.3	15	2	15 ⁴⁰ ₄	...	144	52	59.2	M	July 9	...	15	10	29	70 ⁵⁷	...	98	56	6.6	M	24.75
	25	5.9		2	15 ⁵² ₄	...	53	1.0	M	10	...		10	29	78 ²⁴	...		56	7.5	R	.84	
											31	...		10	29	71	...		56	6.3	M	
652 κ Lupi—1st.										660 49 Bootis δ —1st.												
31.79	June 14	...	15	3	31 ³⁹ ₅₈	...	138	16	34.0	R	June 19	3.8	15	10	37	66 ⁵⁸	...	56	13	57.9	R	37.58
.58	July 12	...		3	31 ⁴⁵ ₅₈	...		16	33.9	M	21	...		10	37	76 ⁴⁵	...		18	57.9	R	.69
											27	...		10	37	78 ⁸	4		13	55.4	R	7.0
653 R. P. L. 111—s.p.										661 ν^1 Lupi.												
	Jan. 7	...	15	3	59 ²² ₃	3	5	34	52.4	M	May 12	5.1	15	13	43	06 ⁶	...	137	29	5.5	M	43.08
											14	5.0		13	42	36 ³⁸	...		29	7.4	M	2.98
											17	5.0		13	42	33 ³¹	...		29	7.4	M	3.01
											July 25	5.3		13	43	05	...		29	6.6	M	
654 ϵ Lupi.										662 ϕ^1 Lupi.												
42.42	June 9	5.7	15	4	42 ²⁹ ₄₂	...	134	2	31.6	R	June 30	5.4	15	14	7	02 ⁵⁰	...	125	49	12.6	R	7.94
.55	12	5.6		4	42 ³⁶ ₄₂	...		2	29.9	R	July 24	5.1		14	7	37	6		49	13.0	M	
655 β Circini.										663 ϕ^2 Lupi.												
3.12	June 7	5.1	15	8	3 ⁰⁴ ₁₂	...	148	20	48.3	R	June 9	5.1	15	15	25	33 ⁴ ₂₄	5	126	25	21.0	R	25.43
.16	11	5.0		8	3 ¹⁸ ₁₂	...		20	48.6	R	11	5.0		15	25	56 ²⁴	...		25	22.9	R	25.66
.14	13	5.2		8	3 ⁰⁹ ₁₂	...		20	46.0	R												
	July 15	5.0		8	3 ¹⁶ ₁₂	...		20	44.7	M												

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Number and Date.	Magnitude.	Mean Right Ascension 1879.			No. of Wires.	Mean Polar Distance 1879.			Observer.	Number and Date.	Magnitude.	Mean Right Ascension 1879.			No. of Wires.	Mean Polar Distance 1879.			Observer.
		h.	m.	s.		o.	'	"				h.	m.	s.		o.	'	"	
664 11 <i>Ursæ Minoris</i> .																			
May 24	5.0	15	17	12.02	...	17	44	11.9	M	July 11	5.3	15	32	52.67	...	184	15	31.1	M
July 10	5.2	17	12.48	...	44	13.6	R	15	5.2											32	52.57	...	15	32.2	M
665 51 <i>Bootis</i> μ																			
May 6	4.3	15	19	55.22	...	52	11	52.7	M	July 31	5.5	15	33	7.66	...	113	25	22.3	M
June 3	4.2	19	55.22	...	11	50.4	R	Aug. 1	5.6											33	7.73	...	25	23.3	R
666 B. H. 952.																			
May 9	5.6	15	27	54.31	...	98	46	28.5	M	July 8	5.7	15	34	46.74	4	127	2	5.8	M
10	5.4	27	54.48	...	46	28.1	M	July 8	5.7											15	34	46.81	4	127	2	5.8	M
667 4 <i>Coronæ Borealis</i> θ																			
May 8	4.8	15	28	3.14	...	58	13	54.1	M	675 7 <i>Coronæ Borealis</i> ξ -2nd.									
...										June 12	5.2	15	34	49.14	...	52	58	10.1	R
...										July 10	5.0	34	48.88	...	58	18.0	R		
668 5 <i>Coronæ Borealis</i> α , <i>Alpha</i> .																			
May 18	...	15	29	33.79	...	62	52	35.0	M	676 21 <i>Serpentis</i> ι									
22	...	29	33.90	...	52	34.8	M	...											
June 12	...	29	33.88	...	52	35.5	R	...											
July 2	...	29	33.84	...	52	34.5	M	...											
9	...	29	33.84	...	52	36.7	M	...											
12	...	29	33.83	...	52	38.1	M	...											
669 6 <i>Coronæ Borealis</i> μ																			
May 24	5.0	15	30	48.54	...	50	35	13.5	M	677 44 <i>Libræ</i> η									
June 3	5.2	30	48.54	...	35	14.0	R	...											
7	5.1	30	48.33	...	35	15.5	R	...											
11	5.0	30	48.46	...	35	13.5	R	...											
13	5.1	30	48.46	...	35	14.0	R	...											
670 40 <i>Libræ</i> .																			
May 15	...	15	31	13.47	...	119	22	40.5	M	678 8 <i>Coronæ Borealis</i> γ									
17	...	31	13.61	...	22	40.9	M	...											
671 3 <i>Lupi</i> ψ^1																			
June 9	...	15	32	4.33	...	124	0	55.9	R	679 24 <i>Serpentis</i> α									
14	...	32	4.38	...	0	54.7	R	...											
18	...	32	4.76	...	0	55.7	R	...											
19	...	32	4.86	...	0	55.5	R	...											

Separate Results of Madras Meridian Circle Observations in 1879.

4
7
17.5
33.24
42.28
56.42
7.18
20.86
21.01
'03
'04
40.26
28
3.7
31

Number and Date.	Magnitude.	Mean Right Ascension 1879.			No. of Wires.	Mean Polar Distance 1879.			Observer.	Number and Date.	Magnitude.	Mean Right Ascension 1879.			No. of Wires.	Mean Polar Distance 1879.			Observer.	
		h.	m.	s.		°	'	"				h.	m.	s.		°	'	"		
680 27 <i>Serpentis</i> λ									689 ξ <i>Lupi</i> —1st.											
May 9	4.7	15	40	34.17	...	82	15	57.0	M	June 28	...	15	49	9.42 ⁵	...	123	36	37.9	R	9.52 .46
10	4.6		40	34.16	...		15	59.9	M	27	...	49	9.35	3		36	36.8	R		
24	4.6		40	34.08	...		15	57.3	M	690 ξ <i>Lupi</i> —2nd.										
681 35 <i>Serpentis</i> κ									691 η <i>Lupi</i> —1st.											
May 6	4.2	15	43	17.60	...	71	29	3.2 ^{0.6}	M	July 9	...	15	49	10.04 ¹³	...	123	36	29.5	M	10.13
13	4.2		43	17.53	...		29	5.7 ^{5.7}	M	692 ι ¹ <i>Normæ</i> .										
682 κ <i>Trianguli Australis</i> .									693 η <i>Normæ</i> .											
June 14	5.2	15	43	53.36 ²³	...	158	14	25.6	R	June 7	...	15	52	6.21 ⁶	...	128	2	57.0	R	6.26
683 ι <i>Scorpii</i> β.									694 Taylor 7437.											
May 17	5.0	15	43	42.24 ⁸	6	115	22	55.9	M	May 12	5.4	15	53	42.07 ¹	...	147	25	54.8	M	42.17 15
684 10 <i>Coronæ Borealis</i> δ									695 44 <i>Serpentis</i> π											
June 3	4.6	15	44	31.21	...	63	33	35.5	R	May 15	5.4	53	42.02 ^{2.13}	...	25	54.7	M	.13		
685 38 <i>Serpentis</i> ρ									696 δ <i>Normæ</i> .											
June 7	4.7	15	45	56.94 ²	...	68	39	25.7	R	June 9	5.6	53	41.95 ^{2.10}	...	25	53.8	R	.10		
9	4.6		45	57.04 ⁵	...	39	23.7	R	11	5.6	53	41.92 ^{2.20}	...	25	53.8	R				
686 R. P. L. 115.—s.p.									697 8 <i>Scorpii</i> β ¹											
Jan. 10	...	15	46	5.43 ⁷⁹	3	4	46	41.8	M	July 8	5.3	53	41.95 ^{2.20}	4	25	52.7	M	24 17		
Dec. 26	...		46	3.65 ³	3		46	43.2	R	698 11 <i>Coronæ Borealis</i> κ										
687 2 <i>Scorpii</i> A.									699 8 <i>Scorpii</i> β ¹											
June 16	5.2	15	46	20.33 ⁶	5	114	57	51.7	R	June 14	5.7	15	55	21.23 ⁴⁴	4	128	15	48.3	R	21.44 .56
19	5.1		46	20.34 ¹⁰¹	...		57	51.4	R	21	5.6		55	21.25 ³⁷	...	15	47.3	R		
21	5.3		46	20.37 ¹⁵³	...		57	50.6	R	695 44 <i>Serpentis</i> π										
July 10	5.0	46	20.36 ¹¹³	...		57	51.6	R	June 3	4.8	15	57	5.07	...	66	51	30.4	R	5.11	
15	5.2		46	20.33	...		57	49.9	M	19	4.6		57	5.10 ⁸⁷	...	51	31.6	R		
688 11 <i>Coronæ Borealis</i> κ									696 δ <i>Normæ</i> .											
June 11	5.1	15	46	40.35 ²⁶	...	53	57	54.0	R	June 13	5.0	15	57	56.63 ³⁶	...	184	50	30.9	R	56.76 .78
12	5.2		46	40.35 ³⁸	...		57	53.7	R	July 11	5.2		57	56.69 ⁷⁵	...	50	32.2	M		
13	5.2		46	40.40 ⁵²	...		57	53.1	R	697 8 <i>Scorpii</i> β ¹										
18	5.4		46	40.34 ¹	...		57	56.8	R	July 31	...	15	53	24.44	...	109	28	18.3	M	

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		h.	m.	s.		o.	'	"				h.	m.	s.		o.	'	"	
698 <i>θ Lupi.</i>																			
34.01 38.80	May 17	4.6	15 58	38 ⁰¹ 44	...	126	28	15.4	M	June 9	5.6	16 6	28 ⁵² 50	...	187	3	39.2	R	
	June 7	4.6	58	38 ⁰⁰ 76	...	28	15.8	R											
	July 15	4.7	58	38.87	...	28	15.6	M											
	24	4.7	58	39.08	...	28	15.4	M											
	Aug. 1	5.0	58	38.88	...	28	16.2	R											
699 <i>6 Herculis v</i>																			
1.44	May 22	5.0	15 59	1.58	...	43	37	35.8	M	Aug. 1	...	16 8	0.25	...	98	22	52.8	R	
	June 12	5.1	59	1.55	...	37	34.8	R											
700 <i>ι² Normæ.</i>																			
22.46	June 11	5.6	15 59	22 ⁴⁶ 28	...	147	36	22.1	R	June 30	...	16 9	2.88	8	98	2	49.1	R	
										July 9	5.3	9	2.78	...	2	49.9	M	2.67	
										12	6.0	9	2.88	...	2	51.5	M	.78	
																		.87	
																		.77	
701 <i>m Scorpïi.</i>																			
45.16	June 9	...	16 0	45 ¹⁵ 07	...	116	0	1.8	R	July 15	...	16 10	47.80	...	118	18	39.8	M	
702 <i>R. P. L. 116.</i>																			
36.41	July 10	...	16 1	36 ⁴¹ 10	3	4	21	14.1	R	June 7	5.6	16 10	52 ⁵⁰ 46	...	132	22	32.5	R	
										9	5.6	10	52.87	...	22	30.4	R	52.50	
																			.49
703 <i>ζ Normæ.</i>																			
46.03 .03	June 19	5.7	16 3	46 ⁰³ 54	...	145	13	29.5	R	June 12	9.0	16 13	4.20	...	101	12	33.1	R	
	21	5.7	3	46 ⁰³ 36	...	13	26.9	R	18	9.0	12	4.43	...	12	31.7	R	4.27		
										July 10	9.2	12	4.26	...	12	36.2	R	.47	
																			.32
704 <i>13 Scorpïi c²</i>																			
50.96 .47 .98	June 7	5.1	16 4	50 ⁹⁶ 14	...	117	36	38.2	R	May 12	...	16 13	21.48	...	118	52	31.6	M	
	18	5.0	4	50 ⁹⁷ 37	...	36	37.3	R	June 14	...	13 21	62	...	52	32.8	R	21.52		
	28	...	4	50 ⁹⁹ 59	...	36	40.2	R											.64
705 <i>15 Scorpïi v</i>																			
23.26 .28 .20	June 12	5.2	16 5	23 ²⁶ 19	...	99	44	56.1	R	June 11	5.0	16 15	14 ²⁴ 46	...	29	57	1.1	R	
	14	5.0	5	23.20	...	44	56.4	R											16.24
	18	5.4	5	23 ²⁰ 42	...	44	57.8	R											
706 <i>Radcliffe 3511.</i>																			
67.65	May 24	5.0	16 6	0.13	...	21	52	18.5	M	June 18	5.0	16 15	50 ⁶¹ 64	...	88	41	5.6	R	
	June 11	5.0	5	59 ⁵⁵ 36	...	52	11.8	R	18	5.4	15	50.80	...	41	6.1	R	56.66		
										30	...	15	56.78	...	41	7.6	R	.86	
										Aug. 1	5.2	15	56.94	...	41	5.9	R	.91	

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Number and Date.	Magnitude.	Mean Right Ascension 1879.			No. of Wires.	Mean Polar Distance 1879.			Observer.	Number and Date.	Magnitude.	Mean Right Ascension 1879.			No. of Wires.	Mean Polar Distance 1879.			Observer.
		h.	m.	s.		°	'	"				h.	m.	s.		°	'	"	
717 O. A. S. 15571.																			
56-99	June 9	7.2	16	15	56.94	...	106	43	54.7	R									
718 ι <i>Trianguli Australis</i> .																			
43-84	June 19	5.6	16	16	43.57	...	153	46	48.9	R									
719 19 <i>Coronæ Borealis</i> ξ																			
22-96	June 7	5.0	16	17	22.93	...	58	49	33.7	R									
06	July 10	5.0	17	23	09	...	49	35.3	R										
	24	5.0	17	23	02	...	49	33.4	R										
720 20 <i>Coronæ Borealis</i> ν^1																			
	June 12	5.1	16	17	48.08	...	55	54	54.6	R									
721 ϵ <i>Normæ</i> .																			
	May 24	5.5	16	18	18.90	...	137	16	35.3	M									
	July 25	5.4	18	19	04	...	16	37.6	M										
	31	5.4	18	18	37	...	16	34.7	M										
722 24 <i>Herculis</i> ω																			
65-86	June 14	5.1	16	19	49.88	...	75	41	11.6	R									
84	21	5.2	19	49	36	...	41	12.9	R										
	Aug. 6	5.2	19	49	35	...	41	12.2	R										
	7	5.2	19	49	73	...	41	11.2	R										
723 3 <i>Ophiuchi</i> ν																			
15-87	June 13	5.1	16	21	15.53	...	98	5	56.1	R									
48	18	...	21	15	43	3	5	58.1	R										
42	30	...	21	15	37	...	5	58.0	R										
49																			
724 21 <i>Scorpii</i> α , <i>Antares</i> .																			
59-20	July 11	...	16	21	59.16	...	116	9	40.4	M									
	Aug. 5	...	21	59	49	...	9	43.4	R										
725 10 <i>Ophiuchi</i> λ																			
45-61	June 9	4.2	16	24	48.57	...	87	44	58.3	R									
67	12	4.5	24	48	02	...	44	58.3	R										
79	14	4.3	24	48	74	...	44	58.6	R										
60	July 9	4.9	24	48	58	...	44	58.7	M										
80	10	4.2	24	48	77	...	44	59.2	R										
64																			
726 μ <i>Normæ</i> .																			
	June 19	5.6	16	25	29.23	...	133	47	13.1	R									
	21	5.6	25	29	16	...	47	13.8	R										
	July 15	5.7	25	29	28	...	47	12.6	M										
	Aug. 6	5.6	25	29	36	...	47	11.3	R										
	7	5.6	25	29	30	...	47	10.9	R										
727 29 <i>Herculis</i> h .																			
	June 30	...	16	26	56.50	...	78	15	2.9	R									
	Aug. 11	4.8	26	56	34	...	15	2.2	R										
728 β <i>Normæ</i> .																			
	June 13	5.1	16	28	24.60	...	125	0	15.2	R									
	July 25	5.0	28	24	78	...	0	17.2	M										
729 12 <i>Ophiuchi</i> .																			
	June 12	5.2	16	29	59.68	...	92	3	52.7	R									
	18	...	30	0	11	...	3	53.4	R										
	July 8	5.5	30	0	14	...	3	51.1	M										
	10	5.1	30	0	30	...	3	54.2	R										
	12	6.0	30	0	33	...	3	50.1	M										
730 35 <i>Herculis</i> σ																			
	June 21	4.4	16	30	12.08	...	47	18	43.4	R									
	July 31	4.5	30	12	27	...	18	45.5	M										
	Aug. 6	4.2	30	12	03	5	18	44.2	R										
	7	4.5	30	11	94	...	18	43.1	R										
731 W. B. E. 634.																			
	June 19	9.2	16	34	34.30	...	103	9	25.4	R									
732 42 <i>Herculis</i> .																			
	May 12	5.2	16	35	27.79	...	40	50	2.8	M									
	June 21	5.0	35	27	74	...	50	0.6	R										
	July 24	5.3	35	27	77	...	50	2.6	M										
	Aug. 7	5.2	35	27	56	...	50	2.0	R										

24.26
28

56.51

24.68

30 0.03
.17
.14
.33
.37

11.97

34.33

27.74
.61

Separate Results of Madras Meridian Circle Observations in 1879.

Number and Date.	Magnitude.	Mean Right Ascension 1879.			No. of Wires.	Mean Polar Distance 1879.			Observer.	Number and Date.	Magnitude.	Mean Right Ascension 1879.			No. of Wires.	Mean Polar Distance 1879.			Observer.	
		h.	m.	s.		°	'	"				h.	m.	s.		°	'	"		
733 40 <i>Herculis</i> ζ										741 ε ² <i>Aræ</i> .										
43-5) July 10	...	16	36	43 ¹ 54	...	58	10	38 ⁴ 4	R	June 30	...	16	58	28 ⁰⁶ 59	...	143	3	10 ¹ 1	R	24-06 '10
Aug. 6	...	36	43	43	...	10	37	1	R	July 10	5 ⁰	53	28 ¹⁰ 51	...	3	12	1	R		
11	...	36	43	47	...	10	36	4	R	25	5 ¹	53	29 ⁰¹	...	3	10	3	M		
										Aug. 11	5 ²	53	28 ⁰¹	...	3	10	3	R		
734 43 <i>Herculis</i> i.										742 κ <i>Scorpii</i> .										
1-32 June 30	...	16	40	1 ² 31	...	81	11	41 ⁸ 8	R	June 19	5 ⁰	16	56	61 ²² 57	...	123	57	2 ⁹	R	57-54 '91 '95
July 15	5 ⁵	40	1	33	...	11	42	1	M	21	5 ¹	56	51 ⁰² 52	...	57	2	1	R		
25	5 ⁵	40	1	54	...	11	43	8	M	July 8	5 ²	56	51 ⁴²	...	57	2	2	M		
735 <i>Radcliffe</i> 3602.										743 59 <i>Herculis</i> δ.										
0-03 June 19	5 ¹	16	43	0 ⁰³ 22	...	83	0	5 ⁵ 5	R	Aug. 7	5 ²	16	57	8 ²⁹	...	56	15	19 ⁰	R	
04 21	5 ¹	43	0 ²²	...	0	4	7	R												
Aug. 11	5 ²	42	59	96	...	0	4	3	R											
13	5 ²	42	59	96	...	0	6	1	R											
736 47 <i>Herculis</i> κ.										744 22 <i>Ursæ Minoris</i> ε—s.p.										
26-74 June 30	...	16	44	26 ⁴ 72	3	82	32	30 ⁰ 0	R	Jan. 16	...	16	58	25 ⁵⁴ 54	3	7	46	0 ⁷	M	46-08 '17
84 July 9	5 ²	44	26	36	...	32	30	2	M	20	...	58	26 ⁵⁴ 54	5	46	3	9	M		
96 10	5 ⁰	44	26	94	...	32	30	8	R	23	...	58	25 ⁰⁹ 59	5	46	5	7	M		
Aug. 6	5 ¹	44	26	85	...	32	29	2	R	25	...	58	25 ⁰⁹ 59	5	46	1	8	M		
7	5 ²	44	26	79	...	32	28	3	R	28	...	58	26 ⁰⁴ 54	5	46	2	0	M		
										30	...	58	26 ⁰⁶ 56	3	46	3	1	M		
737 23 <i>Ophiuchi</i> .										745 60 <i>Herculis</i> .										
7-72 June 21	5 ²	16	48	7 ² 78	...	95	57	16 ²	R	June 30	...	16	59	46 ⁰⁷ 07	...	77	5	29 ⁰	R	46-08 '17
Aug. 13	5 ²	48	7	62	...	57	16	2	R	July 2	5 ⁵	59	46 ⁰⁸ 08	...	5	28	3	M		
										10	5 ⁰	59	46 ¹⁶ 16	...	5	30	1	R		
										24	5 ³	59	46 ²⁹ 29	...	5	29	3	M		
738 25 <i>Ophiuchi</i> ι										746 <i>Lacaille</i> 7107.										
July 31	4 ⁵	16	48	16 ⁹⁶ 96	...	79	37	50 ²	M	Aug. 11	5 ²	17	0	56 ⁵³ 53	...	167	2	21 ²	R	22-61
										13	5 ²	0	56 ⁶² 62	...	2	24	0	R		
739 53 <i>Herculis</i> .										747 l <i>Scorpii</i> .										
June 19	5 ⁰	16	48	22 ⁸¹ 82	...	58	5	49 ³ 3	R	June 21	5 ⁷	17	1	56 ³⁵ 35	5	134	23	56 ² 2	R	52-35 '65
Aug. 11	5 ²	48	22	75	...	5	48	7	R	July 11	5 ⁵	1	56 ²⁵ 25	...	23	53	3	M		
740 27 <i>Ophiuchi</i> κ																				
July 15	...	16	51	56 ³⁹ 39	...	80	26	8 ⁹ 9	M											
Aug. 5	...	51	56	34	...	26	7	1	R											
7	...	51	56	44	...	26	7	6	R											
13	...	51	56	42	...	26	6	4	R											

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Number and Date.	Magnitude.	Mean Right Ascension 1879.			No. of Wires.	Mean Polar Distance 1879.			Observer.	Number and Date.	Magnitude.	Mean Right Ascension 1879.			No. of Wires.	Mean Polar Distance 1879.			Observer.
		h.	m.	s.		o.	'	"				h.	m.	s.		o.	'	"	
748 Taylor 7957.										755 42 Ophiuchi θ									
July 15	5.2	17	3	44.65	...	53	54	22.8	M	Aug. 5	...	17	14	34.70	...	114	52	36.2	R
Aug. 6	5.2		3	44.58	...		54	23.1	R	11	...		14	34.76	...		52	36.0	R
7	5.3		3	44.54	...		54	22.1	R	756 β Aræ.									
12	5.2		3	44.66	...		54	22.7	R	Aug. 16	3.2	17	15	14.39	...	145	24	44.3	R
16	5.3		3	44.70	...		54	21.6	R	25	3.2		15	14.59	...		24	46.9	R
749 37 Ophiuchi.										757 κ^1 Aræ.									
July 10	5.0	17	6	45.71	...	79	16	1.8	R	July 9	5.5	17	16	34.00	...	140	31	13.5	M
31	5.4		6	45.77	...		16	1.8	M	Aug. 7	5.1		16	34.01	...		31	12.0	R
Aug. 13	5.3		6	45.55	...		16	1.7	R	758 κ^2 Aræ.									
27	5.2		6	45.53	...		16	0.1	R	Aug. 20	5.6	17	17	46.58	...	140	31	11.4	R
750 36 Ophiuchi A—1st.										759 75 Hercules ρ —2nd.									
June 21	4.8	17	7	54.37	...	116	25	24.6	R	July 2	4.9	17	19	30.68	...	52	44	30.6	M
751 64 Hercules α , Var. 1.										Aug. 6	4.3		19	30.38	...		44	30.0	R
July 24	...	17	9	7.49	...	75	28	13.3	M	18	4.2		19	30.46	...		44	31.3	R
25	...		9	7.75	...		28	13.3	M	27	4.5		19	30.46	...		44	29.4	R
26	...		9	7.78	...		28	12.4	M	28	4.6		19	30.37	...		44	29.8	R
Aug. 1	...		9	7.86	...		28	10.4	R	760 Taylor 8071.									
6	...		9	7.88	...		28	11.0	R	Aug. 1	5.6	17	20	12.75	...	94	58	38.9	R
7	...		9	7.84	...		28	11.7	R	7	5.6		20	12.83	...		58	38.8	R
12	...		9	7.78	...		28	11.8	R	11	5.6		20	12.83	...		58	39.2	R
16	...		9	7.81	...		28	12.7	R	761 76 Hercules λ									
Sep. 8	...		9	7.87	...		28	10.5	M	June 30	...	17	25	50.28	...	63	47	46.3	R
752 ν Scorpii.										Aug. 13	5.0		25	50.67	...		47	47.8	R
June 30	...	17	9	11.33	...	122	31	26.8	R	16	4.6		25	50.74	...		47	49.8	R
Aug. 5	5.6		9	11.41	...		31	27.1	R	20	4.6		25	50.70	...		47	49.7	R
11	5.7		9	11.56	...		31	27.4	R	25	4.5		25	50.58	...		47	50.5	R
753 69 Hercules ϵ .										762 σ Aræ.									
July 10	4.8	17	13	29.98	...	52	34	49.7	R	July 31	5.5	17	26	39.33	...	186	25	10.6	M
754 53 Serpentis ν										Aug. 27	5.6		26	39.22	...		25	9.2	R
June 30	...	17	14	1.19	...	102	43	17.4	R	Sep. 8	5.7		26	39.12	...		25	11.0	M
Aug. 13	4.6		14	1.20	...		43	20.2	R										
27	4.6		14	1.21	...		43	18.9	R										

45.73

54.44

11.43

24.93

1.25

34.17

30.37

50.78

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		h.	m.	s.		°	'	"				h.	m.	s.		°	'	"	
777 32 <i>Draconis</i> ξ										785 96 <i>Herculis</i> .									
July 10	3·6	17	51	26·14	...	33	6	28·0	R	Aug. 7	5·2	17	57	12·65	...	69	9	55·1	R
Aug. 7	3·5		51	25·99	...		6	27·6	R	12	5·3		57	12·44	...		9	53·6	R
11	3·5		51	25·99	...		6	28·6	R	13	5·2		57	12·48	...		9	54·8	R
778 91 <i>Herculis</i> θ										786 70 <i>Ophiuchi</i> .—1st.									
July 15	...	17	52	6·29	...	52	43	58·8	M	Aug. 1	...	17	59	20·50	...	87	28	13·2	R
24	...		52	6·07	...		43	57·4	M	5	...		59	20·37	...		28	15·1	R
25	...		52	6·15	...		43	58·5	M	9	...		59	20·37	...		28	12·8	R
779 92 <i>Herculis</i> ζ										787 <i>Lacaille</i> 7561.									
Aug. 1	...	17	53	3·75	...	60	44	16·2	R	Aug. 7	5·6	18	2	37·69	...	153	42	45·5	R
12	...		53	3·77	...		44	14·6	R	11	5·8		2	37·69	...		42	46·0	R
13	...		53	3·54	...		44	15·6	R	14	5·7		2	37·71	4		42	47·2	R
										16	5·7		2	37·92	...		42	49·5	R
780 94 <i>Herculis</i> ν										788 103 <i>Herculis</i> o									
Aug. 28	5·0	17	53	52·35	...	59	47	55·9	R	July 26	...	18	2	48·97	...	61	15	14·5	M
781 57 <i>Serpentis</i> ζ										789 13 <i>Sagittarii</i> μ									
Aug. 5	...	17	54	5·29	...	98	40	51·6	R	July 4	...	18	6	31·62	5	111	5	21·1	M
20	...		54	5·47	...		40	49·5	R	8	...		6	31·52	...		5	16·9	M
23	...		54	5·52	...		40	51·3	R	25	...		6	31·43	...		5	17·8	M
27	...		54	5·33	...		40	50·7	R	31	...		6	31·46	...		5	17·5	M
782 66 <i>Ophiuchi</i> .										Aug. 9 6 31·63 5 18·0 R									
Aug. 25	5·1	17	54	16·15	...	85	37	20·4	R	12	...		6	31·60	...		5	17·5	R
783 93 <i>Herculis</i> .										20 6 31·58 5 16·7 R									
Aug. 16	...	17	54	40·16	...	73	14	26·0	R	21	...		6	31·65	...		5	18·8	R
21	...		54	40·15	...		14	27·7	R	23	...		6	31·61	...		5	19·9	R
784 69 <i>Ophiuchi</i> τ										25 6 31·61 5 17·4 R									
Sep. 2	5·0	17	56	29·51	...	98	10	39·2	R	27	...		6	31·56	...		5	19·1	R
3	5·0		56	29·50	...		10	38·1	R	28	...		6	31·44	...		5	17·7	R
4	5·1		56	29·51	...		10	39·9	R	Sep. 1	...		6	31·52	...		5	17·4	R
790 <i>Anon.</i>										8 6 31·54 5 19·1 M									
Aug. 13	8·2	18	6	44·53	...	123	10	20·9	R										

2612

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72

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Number and Date.	Magnitude.	Mean Right Ascension. 1879.			No. of Wires.	Mean Polar Distance. 1879.			Observer.	Number and Date.	Magnitude.	Mean Right Ascension 1879.			No. of Wires.	Mean Polar Distance 1879.			Observer.
		h.	m.	s.		°	'	"				°	'	"					
791 104 <i>Herculis</i> A.										799 1 <i>Lyrae</i> κ									
July 9	5.4	18	7	21.12	...	58	37	24.9	M	Aug. 16	4.8	18	15	37.26	...	54	0	16.8	R
Aug. 1	5.2	7	20.86	...		37	24.8	R	Sep. 1	4.8	15	37.06	...		0	18.5	R		
6	5.4	7	20.99	...		37	26.2	R	4	4.6	15	37.09	...		0	20.5	R		
16	5.2	7	20.96	...		37	24.4	R											
792 40 <i>Draconis</i> .										800 <i>Radcliffe</i> 3905.									
Sep. 3	...	18	9	4.70	...	10	0	59.8	R	Aug. 20	5.0	18	18	26.88	...	40	56	17.4	R
4	...	9	4.96	...		1	1.6	R	21	...	18	26.76	...		56	16.2	R		
793 <i>g Sagittarii</i> .										801 <i>Lacaille</i> 7666.									
Aug. 7	...	18	10	28.59	...	117	5	2.9	R	Aug. 28	...	18	19	26.98	4	161	50	58.8	R
21	...	10	28.76	...		5	1.6	R											
794 23 <i>Ursae Minoris</i> δ										802 39 <i>Draconis</i> b.									
July 15	...	18	11	22.71	3	3	28	28.6	M	Aug. 7	5.0	18	22	8.77	...	81	16	6.5	R
Aug. 14	...	11	20.97	3		28	27.1	R	9	5.2	22	8.78	...		16	6.7	R		
795 <i>Anon.</i>										803 43 <i>Draconis</i> φ									
Mar. 4	...	18	11	21.59	3	3	28	32.8	M	Aug. 16	...	18	22	29.84	...	18	48	35.4	R
18	...	11	21.60	3		28	28.8	M	Sep. 2	...	22	28.92	...		48	34.2	R		
796 <i>Radcliffe</i> 3885.										804 44 <i>Draconis</i> χ									
Aug. 28	7.0	18	12	39.34	...	127	32	12.1	R	Aug. 25	...	18	23	14.21	...	17	19	12.1	R
Sep. 2	7.0	12	39.56	...		32	11.6	R											
797 105 <i>Herculis</i> .										805 <i>v</i> ² <i>Sagittarii</i> .									
Aug. 1	5.3	18	14	11.80	4	65	36	11.7	R	July 11	5.9	18	26	1.29	...	128	6	14.1	M
7	5.0	14	11.76	...		36	9.9	R	Aug. 12	5.7	26	1.36	...		6	14.1	R		
798 24 <i>Ursae Minoris</i> —s.p.										806 <i>Radcliffe</i> 3983—2nd.									
Feb. 7	...	18	15	35.69	3	3	0	43.9	R	Aug. 16	5.2	18	31	11.90	...	37	44	30.1	R
14	...	15	35.41	3		0	43.8	R	20	...	31	11.84	...		44	32.4	R		

Separate Results of Madras Meridian Circle Observations in 1879.

Number and Date.	Magnitude.	Mean Right Ascension 1879.			No. of Wires.	Mean Polar Distance 1879.			Observer.	Number and Date.	Magnitude.	Mean Right Ascension 1879.			No. of Wires.	Mean Polar Distance 1879.			Observer.
		h.	m.	s.		o.	'	"				h.	m.	s.		o.	'	"	
807 3 <i>Lyræ α, Vega.</i>									815 10 <i>Lyræ β, Var 1.</i>										
July 15	...	18	32	50.45	...	51	19	41.3	M	July 24	...	18	45	37.01	...	56	46	36.5	M
24	...	32	50.46	...	...	19	41.5	M	25	...	45	36.78	...	...	46	37.4	M	M
31	...	32	50.29	...	...	19	40.8	M	26	...	45	36.65	...	...	46	38.3	M	M
Aug. 14	...	32	50.40	...	...	19	40.6	R	Aug. 18	...	45	36.69	...	...	46	36.2	R	R
808 3 <i>Aquilæ.</i>									816 35 <i>Sagittarii ν²</i>										
July 9	...	18	36	55.20	...	98	23	29.9	M	Aug. 5	5.3	18	47	48.08	...	112	49	12.8	R
Aug. 7	...	36	55.73	...	...	23	32.9	R	20	5.2	47	48.08	...	...	49	9.5	R	R
12	...	36	55.84	...	...	23	31.6	R	23	5.2	47	48.07	...	...	49	12.0	R	R
13	...	36	55.93	...	...	23	32.5	R	27	5.1	47	47.96	...	...	49	11.5	R	R
809 46 <i>Draconis ε.</i>									817 ω <i>Pavonis.</i>										
Aug. 5	5.2	18	40	17.14	...	34	34	58.5	R	Aug. 7	5.6	18	47	50.33	...	150	21	21.8	R
810 4 <i>Lyræ ε¹—1st.</i>									818 47 <i>Draconis ο</i>										
Aug. 23	5.0	18	40	19.51	...	50	27	19.9	R	Sep. 18	5.0	18	49	24.84	...	30	45	32.8	R
Sep. 8	5.5	40	19.67	...	...	27	18.7	R	819 11 <i>Lyræ δ¹</i>									
13	5.2	40	19.73	...	...	27	16.5	R	Aug. 19	...	18	49	29.95	...	53	10	39.5	R
15	5.1	40	19.66	...	...	27	17.9	R	820 113 <i>Herculis.</i>									
16	5.2	40	19.49	...	...	27	19.4	R	Aug. 28	...	18	49	38.32	...	67	30	26.8	R
811 5 <i>Lyræ ε²—1st.</i>									821 6 <i>Aquilæ.</i>										
Aug. 25	5.0	18	40	21.66	...	50	30	46.5	R	Aug. 20	5.7	18	40	45.40	...	94	52	29.9	R
27	5.0	40	21.61	...	...	30	45.4	R	21	5.7	40	45.33	...	...	52	30.7	R	R
Sep. 4	5.1	40	21.78	...	...	30	48.2	R	23	5.7	40	45.33	...	...	52	32.8	R	R
812 5 <i>Lyræ ε²—2nd.</i>									822 110 <i>Herculis.</i>										
Sep. 19	5.7	18	40	22.21	...	50	30	48.5	R	Aug. 16	...	18	40	27.28	...	69	34	3.7	R
813 110 <i>Herculis.</i>									823 6 <i>Aquilæ.</i>										
Aug. 16	...	18	40	27.28	...	69	34	3.7	R	Aug. 20	5.7	18	40	45.40	...	94	52	29.9	R
814 6 <i>Aquilæ.</i>									824 113 <i>Herculis.</i>										
Aug. 20	5.7	18	40	45.40	...	94	52	29.9	R	Sep. 3	...	49	38.27	...	...	30	24.6	R
21	5.7	40	45.33	52	30.7	R	4	...	49	38.28	30	27.4	R	R	
23	5.7	40	45.33	52	32.8	R	15	...	49	38.23	30	26.3	R	R	

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Separate Results of Madras Meridian Circle Observations in 1879.

Number and Date.	Magnitude.	Mean Right Ascension 1879.			No of Wires.	Mean Polar Distance 1879.			Observer.	Number and Date.	Magnitude.	Mean Right Ascension 1879.			No of Wires.	Mean Polar Distance 1879.			Observer.
		h.	m.	s.		o.	'	"				h.	m.	s.		o.	'	"	
821 θ Serpentis—1st.									Sep. 13	...	18	59	50.83	...	76	18	53.2	R	
Aug. 13	4.7	18	50	12.04	...	85	57	9.4	R	15	...	59	50.78	...	18	53.4	R		
14	4.7	50	12.18	...		57	8.7	R	20	...	59	50.80	...	18	51.7	R			
16	4.7	50	11.99	...		57	10.6	R	828 20 Lyræ η —1st.										
21	4.6	50	12.09	...		57	12.0	R	Aug. 11	5.2	19	9	38.05	...	51	3	41.3	R	
822 θ Serpentis—2nd.									27	5.0	9	37.94	...	3	39.0	R			
Aug. 25	5.1	18	50	13.60	...	85	57	11.9	R	Sep. 2	5.0	9	37.94	...	3	37.8	R		
Sep. 2	5.0	50	13.64	...		57	12.1	R	4	5.0	9	38.02	...	3	39.7	R			
823 9 Aquilæ.									829 1 Vulpeculæ.										
Aug. 12	...	18	50	34.79	...	96	0	5.6	R	Aug. 16	...	19	11	0.88	...	68	49	13.8	R
824 R. P. L. 131—s.p.									21	...	11	0.77	...	49	20.9	R			
Feb. 28	...	18	54	16.15	3	3	26	46.1	R	25	...	11	0.71	...	49	19.9	R		
825 48 Draconis.									830 54 Draconis.										
Aug. 11	5.2	18	54	41.90	...	82	20	42.7	R	Aug. 9	...	19	11	45.48	...	32	30	12.2	R
23	5.1	54	41.98	...		20	42.3	R	12	5.2	11	45.44	...	30	13.8	R			
27	5.1	54	41.73	...		20	43.5	R	18	5.2	11	45.52	...	30	14.2	R			
826 Lacaille 7944.									831 25 Aquilæ ω										
Sep. 16	5.7	18	57	2.20	...	158	36	29.1	R	Aug. 14	...	19	12	8.19	...	78	37	15.9	R
17	5.8	57	2.28	...		36	26.9	R	19	...	12	8.11	...	37	15.7	R			
18	5.6	57	2.41	...		36	28.3	R	Sep. 1	...	12	8.12	...	37	14.8	R			
19	...	57	2.38	4		36	20.4	R	8	...	12	8.15	...	37	14.8	R			
827 17 Aquilæ ζ									16	...	12	8.18	...	37	18.6	R			
Aug. 5	...	18	59	50.75	...	76	18	54.0	R	19	...	12	8.11	...	37	18.8	R		
7	...	59	50.81	...		18	51.0	R	Oct. 2	...	12	8.29	...	37	18.9	M			
11	...	59	50.88	...		18	51.9	R	832 21 Lyræ θ										
14	...	59	50.84	...		18	53.0	R	Aug. 5	5.2	19	12	9.82	...	52	4	51.3	R	
16	...	59	50.83	...		18	54.8	R	7	5.2	12	9.80	...	4	50.5	R			
19	...	59	50.74	...		18	54.2	R	23	5.1	12	10.00	...	4	50.0	R			
21	...	59	50.80	...		18	51.4	R	833 60 Draconis τ										
25	...	59	50.78	...		18	52.2	R	Aug. 16	4.7	19	17	52.02	...	16	52	5.7	R	
28	...	59	50.66	...		18	54.0	R	Sep. 15	5.0	17	51.90	...	52	7.8	R			
Sep. 2	...	59	50.84	...		18	51.4	R	16	5.1	17	52.01	...	52	9.2	R			
4	...	59	50.77	...		18	54.1	R	18	4.6	17	52.04	...	52	8.2	R			
8	...	59	50.74	...		18	53.7	M	20	5.0	17	51.87	...	52	6.1	R			

Separate Results of Madras Meridian Circle Observations in 1879.

Number and Date.	Magnitude.	Mean Right Ascension 1879.			No. of Wires.	Mean Polar Distance 1879.			Observer.	Number and Date.	Magnitude.	Mean Right Ascension 1879.			No. of Wires.	Mean Polar Distance 1879.			Observer.
		h.	m.	s.		°	'	"				h.	m.	s.		°	'	"	
834 31 <i>Aquilæ</i> β .										841 44 <i>Aquilæ</i> σ									
Aug. 11	5.1	19	19	11.96	...	78	18	44.5	R	Sep. 8	5.9	19	33	13.26	...	84	52	34.4	M
12	5.2			19 11.94	...			18 44.1	R	13	5.0			33 13.33	...			52 32.1	R
13	5.1			19 11.84	...			18 45.1	R	15	5.1			33 13.26	...			52 33.2	R
835 30 <i>Aquilæ</i> δ										Oct. 6									
July 26	...	19	19	23.38	...	87	7	28.2	M	17	5.1			33 13.11	...			52 30.9	R
Aug. 23	...			19 23.78	...			7 29.7	R	4.1	4.1			33 13.18	...			52 33.6	M
27	...			19 23.74	...			7 29.5	R	842 <i>Radcliffe</i> 4413.									
Sep. 2	...			19 23.79	...			7 28.2	M	Aug. 9	...	19	35	57.68	...	35	18	30.9	R
13	...			19 23.81	...			7 29.5	R	11	5.2			35 57.75	...			18 32.6	R
17	...			19 23.79	...			7 29.5	R	843 50 <i>Aquilæ</i> γ									
19	...			19 23.73	...			7 30.0	R	Sep. 4	...	19	40	30.35	...	79	40	49.5	R
24	...			19 23.73	...			7 30.0	R	15	...			40 30.42	...			40 48.6	R
836 58 <i>Draconis</i> π										Oct. 2									
Sep. 3	4.3	19	20	2.26	...	24	31	4.0	R	16	...			40 30.45	...			40 49.2	R
4	4.2			20 2.43	...			31 6.6	R	17	...			40 30.45	...			40 47.1	R
837 32 <i>Aquilæ</i> ν										844 <i>Radcliffe</i> 4446.									
Aug. 5	...	19	20	19.76	...	89	54	3.3	R	Aug. 5	5.8	19	40	52.71	...	32	16	19.7	R
7	...			20 19.80	...			54 2.1	R	11	5.2			40 52.72	6			16 19.0	R
838 37 <i>Aquilæ</i> .										845 17 <i>Cygni</i> .									
Aug. 1	5.2	19	28	27.45	...	100	49	21.6	R	Aug. 13	5.0	19	41	49.93	...	56	33	8.9	R
839 52 <i>Sagittarii</i> h^2										20									
Sep. 1	...	19	29	20.52	...	115	8	53.7	R	16	5.2			41 49.90	...			33 9.6	R
3	...			29 20.53	...			8 54.0	R	20	...			41 49.86	...			33 10.8	R
4	...			29 20.58	...			8 57.5	R	846 8 <i>Sagittæ</i> ζ									
15	...			29 20.49	...			8 53.1	R	Aug. 9	5.2	19	43	36.23	...	71	9	36.4	R
16	...			29 20.46	...			8 56.5	R	847 51 <i>Aquilæ</i> .									
18	...			29 20.52	...			8 54.2	R	Aug. 25	5.6	19	44	7.19	...	101	4	5.1	R
20	...			29 20.42	...			8 52.5	R	27	5.6			44 7.12	...			4 5.7	R
24	...			29 20.49	...			8 54.0	R	848 λ <i>Ursæ Minoris</i> —s.p.									
840 61 <i>Draconis</i> σ										Mar. 6									
Aug. 5	5.0	19	32	35.14	...	20	32	40.1	R	19	45	12.47	1	1	3	32.9	M
7	5.1			32 35.32	...			32 40.1	R										

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Separate Results of Madras Meridian Circle Observations in 1879.

Number and Date.	Magnitude.	Mean Right Ascension 1879.			No. of Wires.	Mean Polar Distance 1879.			Observer.	Number and Date.	Magnitude.	Mean Right Ascension 1879.			No. of Wires.	Mean Polar Distance 1879.			Observer.
		h.	m.	s.		°	'	"				h.	m.	s.		°	'	"	
849 Lacaille 8224.									857 Taylor 9172.										
Sep. 18	5.7	19	46	10.01	...	159	28	40.7	R	Sep. 1	5.6	19	51	59.74	...	125	1	17.8	R
26	5.7	46	9.99	...		28	43.8	R	3	5.6	51	59.69	...			1	16.6	R	
850 Radcliffe 4469.									858 Radcliffe 4517.										
Sep. 3	5.4	19	46	27.85	...	49	42	26.0	R	Aug. 16	5.2	19	53	1.59	...	49	57	23.2	R
4	5.3	46	27.94	...		42	28.8	R	23	5.2	53	1.80	...			57	23.1	R	
13	5.2	46	28.01	...		42	25.0	R	27	5.3	53	1.65	...			57	23.5	R	
15	5.2	46	27.76	...		42	26.4	R	859 14 Vulpeculae.										
851 B. F. 2695. 1 ^m									Aug. 11 | ... | 19 53 59.02 | ... | 67 13 35.0 | R										
Aug. 16	5.7	19	46	58.47	...	93	25	35.2	R	860 Taylor 9215.									
20	...	46	58.48	4		25	36.9	R	Aug. 5	5.3	19	56	36.78	...	65	32	5.2	R	
Sep. 1	5.6	46	58.44	...		25	34.4	R	9	5.2	56	36.95	...			32	2.9	R	
852 13 Vulpeculae.									861 R Capricorni—Var. 1.										
Sep. 24	...	19	48	18.97	...	66	14	4.7	R	Sep. 26	9.8	20	4	30.95	...	104	37	29.1	R
29	...	48	18.99	...		14	4.8	R	27	10.0	4	31.00	...			37	29.2	R	
Oct. 3	...	48	19.06	...		14	5.2	M	30	10.0	4	30.96	...			37	28.7	R	
853 59 Aquila ξ									862 Radcliffe 4654.										
Aug. 11	5.2	19	48	22.74	...	81	51	0.4	R	Aug. 13	5.2	20	9	9.41	...	38	58	59.9	R
Sep. 17	5.4	48	22.76	...		50	58.8	R	16	5.2	9	9.46	...			54	0.9	R	
19	5.3	48	22.94	...		50	59.6	R	863 30 Cygni o ¹										
854 58 Sagittarii ω									Aug. 11 | ... | 20 9 29.00 | ... | 43 32 56.9 | R										
Sep. 25	...	19	48	25.49	...	116	37	7.9	R	864 31 Cygni o ²									
27	...	48	25.53	...		37	8.8	R	Aug. 28	4.0	20	9	46.18	...	43	37	30.4	R	
855 60 Aquila β									25 | 4.0 | 9 49.03 | ... | 37 30.3 | R										
Sep. 30	...	19	49	22.17	...	83	53	36.4	R	865 33 Cygni.									
Oct. 6	...	49	22.20	...		53	36.2	M	Sep. 18	4.6	20	10	34.87	...	33	48	5.6	R	
7	...	49	22.26	...		53	35.5	M	25	4.5	10	34.67	...			48	5.2	R	
856 22 Cygni.									26 | 4.5 | 10 34.79 | ... | 48 5.4 | R										
Aug. 5	...	19	51	32.01	...	51	50	2.5	R										
9	...	51	31.98	...		50	2.1	R											
21	...	51	32.15	...		49	59.4	R											
25	...	51	31.93	...		50	1.7	R											

17.15

30.75

22.11

Separate Results of Madras Meridian Circle Observations in 1879.

Number and Date.	Magnitude.	Mean Right Ascension 1879.			No. of Wires.	Mean Polar Distance 1879.			Observer.	Number and Date.	Magnitude.	Mean Right Ascension 1879.			No. of Wires.	Mean Polar Distance 1879.			Observer.				
		h.	m.	s.		°	'	"				h.	m.	s.		°	'	"					
866		<i>23 Vulpeculæ.</i>																					
Aug. 20	4.6	20	10	45.27	...	62	33	17.6	R	Aug. 25	5.2	20	25	32.76	...	150	59	15.2	R				
27	4.4	10	45.12	...	33	19.6	R	Sep. 4	5.6	25	32.59	...	59	15.4	R	15	5.6	25	32.56	...	59	13.6	R
Sep. 1	4.8	10	45.15	...	33	19.2	R																
867		<i>6 Capricorni α²</i>																					
Sep. 20	...	20	11	20.37	...	102	55	6.4	R	Aug. 23	...	20	25	50.22	2	5	17	15.3	R				
30	...	11	20.31	...	55	5.2	R	Sep. 2	...	25	49.55	3	17	16.7	R	20	...	25	49.84	3	17	14.1	R
Oct. 6	...	11	20.33	...	55	4.3	M	26	...	25	49.96	3	17	14.7	R								
8	...	11	20.58	...	55	5.5	M																
13	...	11	20.24	...	55	5.8	M																
868		<i>24 Vulpeculæ.</i>																					
Aug. 28	...	20	11	36.08	...	65	42	3.2	R	Aug. 28	5.2	20	26	18.51	...	41	27	16.3	R				
Sep. 15	5.3	11	36.14	...	42	3.3	R	Sep. 3	5.0	26	18.87	...	27	15.1	R								
17	5.2	11	36.13	...	42	2.1	R																
19	5.3	11	36.17	...	42	3.2	R																
24	5.4	11	36.24	...	42	3.1	R																
869		<i>32 Cygni.</i>																					
Sep. 27	4.5	20	11	43.70	...	42	39	21.6	R	Aug. 20	4.5	20	27	26.05	...	79	6	21.7	R				
29	4.6	11	43.67	...	39	22.4	R	27	4.5	27	26.06	...	6	24.6	R								
Oct. 2	4.5	11	43.69	...	39	24.2	M																
7	4.5	11	43.69	...	39	22.3	M																
9	...	11	43.90	...	39	22.9	M																
870		<i>11 Capricorni ρ</i>																					
Sep. 17	...	20	21	57.30	...	108	12	41.8	R	Aug. 20	4.5	20	27	26.05	...	79	6	21.7	R				
24	...	21	57.36	...	12	44.2	R	19	...	29	38.74	...	44	31.9	R								
25	...	21	57.36	...	12	45.4	R																
27	...	21	57.38	...	12	43.4	R																
Oct. 3	...	21	57.43	...	12	44.4	M																
8	...	21	57.47	...	12	44.4	M																
9	...	21	57.66	...	12	44.7	M																
15	...	21	57.64	...	12	44.9	M																
871		<i>41 Cygni.</i>																					
Aug. 13	...	20	24	26.85	...	60	2	3.4	R	Sep. 24	5.8	20	30	25.50	3	92	58	4.7	R				
											26	5.5	30	25.50	...	58	4.8	R					
872		<i>φ¹ Pavonis.</i>																					
Aug. 25	5.2	20	25	32.76	...	150	59	15.2	R	Aug. 23	...	20	25	50.22	2	5	17	15.3	R				
Sep. 4	5.6	25	32.59	...	59	15.4	R	Sep. 2	...	25	49.55	3	17	16.7	R	20	...	25	49.84	3	17	14.1	R
15	5.6	25	32.56	...	59	13.6	R	26	...	25	49.96	3	17	14.7	R								
873		<i>R. P. L. 141.</i>																					
Aug. 23	...	20	25	50.22	2	5	17	15.3	R	Aug. 23	...	20	25	50.22	2	5	17	15.3	R				
Sep. 2	...	25	49.55	3	17	16.7	R	Sep. 2	...	25	49.55	3	17	16.7	R	20	...	25	49.84	3	17	14.1	R
20	...	25	49.84	3	17	14.1	R	26	...	25	49.96	3	17	14.7	R								
26	...	25	49.96	3	17	14.7	R																
874		<i>45 Cygni ω²</i>																					
Aug. 28	5.2	20	26	18.51	...	41	27	16.3	R	Aug. 28	5.2	20	26	18.51	...	41	27	16.3	R				
Sep. 3	5.0	26	18.87	...	27	15.1	R	Sep. 3	5.0	26	18.87	...	27	15.1	R								
875		<i>2 Delphini ε</i>																					
Aug. 20	4.5	20	27	26.05	...	79	6	21.7	R	Aug. 20	4.5	20	27	26.05	...	79	6	21.7	R				
27	4.5	27	26.06	...	6	24.6	R	27	4.5	27	26.06	...	6	24.6	R								
876		<i>46 Cygni ω³</i>																					
Sep. 25	...	20	27	34.32	...	41	11	15.8	R	Sep. 25	...	20	27	34.32	...	41	11	15.8	R				
Oct. 7	...	27	34.45	...	11	12.3	M	Oct. 7	...	27	34.45	...	11	12.3	M	13	...	27	34.56	...	11	13.6	M
13	...	27	34.56	...	11	13.6	M																
877		<i>4 Delphini ζ</i>																					
Sep. 18	...	20	29	38.81	...	75	44	31.6	R	Sep. 18	...	20	29	38.81	...	75	44	31.6	R				
19	...	29	38.74	...	44	31.9	R	19	...	29	38.74	...	44	31.9	R								
878		<i>φ² Pavonis.</i>																					
Sep. 17	5.6	20	30	0.25	...	150	57	4.8	R	Sep. 17	5.6	20	30	0.25	...	150	57	4.8	R				
27	5.6	30	0.35	...	57	6.2	R	27	5.6	30	0.35	...	57	6.2	R	29	5.7	30	0.45	...	57	7.3	R
29	5.7	30	0.45	...	57	7.3	R																
879		<i>70 Aquilæ.</i>																					
Sep. 24	5.8	20	30	25.50	3	92	58	4.7	R	Sep. 24	5.8	20	30	25.50	3	92	58	4.7	R				
26	5.5	30	25.50	...	58	4.8	R	26	5.5	30	25.50	...	58	4.8	R								

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34.50
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Separate Results of Madras Meridian Circle Observations in 1879.

Number and Date.	Magnitude.	Mean Right Ascension 1879.			No. of Wires.	Mean Polar Distance 1879.			Observer.	Number and Date.	Magnitude.	Mean Right Ascension 1879.			No. of Wires.	Mean Polar Distance 1879.			Observer.
		h.	m.	s.		°	'	"				h.	m.	s.		°	'	"	
880 <i>v Pavonis.</i>										889 <i>3 Cephei η</i>									
Sep. 30	5.2	20	30	49 ⁶⁹ 73	...	157	11	8.1	R	Sep. 2	3.4	20	42	49 ²² 22	...	28	37	47.7	R
Oct. 6	5.2	30	49 ⁵³ 74	...		11	8.1	M	3	3.5	42	49 ²⁶ 26	...		37	46.2	R		
14	5.2	30	49 ⁶⁶ 89	...		11	5.6	M	4	3.5	42	49 ¹² 12	...		37	49.1	R		
881 <i>6 Delphini β</i>										890 <i>32 Vulpeculæ.</i>									
Sep. 13	...	20	31	52.38	...	75	49	28.0	R	July 11	...	20	49	24 ²³ 35	...	62	24	3.0	M
										Sep. 25	...	49	24 ¹³ 20	...	24	4.7	R		
										29	...	49	24 ¹³ 13	...	24	4.8	R		
										Oct. 2	...	49	24 ⁰³ 03	...	24	6.2	M		
										6	...	49	24 ⁰⁸ 08	...	24	4.6	M		
										7	...	49	24 ¹⁶ 16	...	24	4.1	M		
										9	...	49	24 ³⁷ 37	...	24	4.5	M		
										14	...	49	24 ⁰³ 03	...	24	6.1	M		
										15	...	49	28 ⁹¹ 91	...	24	3.8	M		
										20	...	49	24 ⁰⁴ 04	...	24	3.7	M		
882 <i>71 Aquilæ.</i>										891 <i>76 Draconis.</i>									
Sep. 4	...	20	32	5.27	...	91	31	38.3	R	Aug. 27	5.1	20	51	15.49	5	7	55	6.8	R
15	...	32	5.20	...		81	36.7	R	28	5.2	51	15.39	...	55	6.8	R			
883 <i>8 Delphini θ</i>										892 <i>1 Piscis Australis.</i>									
Aug. 25	...	20	33	1.19	...	77	6	30.7	R	Aug. 25	5.5	20	53	51.92	...	122	43	45.1	R
884 <i>1 Aquarii.</i>										893 <i>22 Capricorni η</i>									
Aug. 23	5.6	20	33	12.62	...	89	56	15.3	R	Aug. 27	5.2	20	57	30.87	...	110	19	54.5	R
Sep. 2	5.5	33	12.84	...		56	16.6	R											
3	5.5	33	12.80	...		56	15.0	R											
885 <i>9 Delphini α</i>										894 <i>η Microscopii.</i>									
Aug. 20	...	20	34	1.18	...	74	30	47.9	R	Aug. 25	5.5	20	53	32.81	...	181	51	53.9	R
23	4.0	34	0.99	...		30	51.1	R											
886 <i>50 Cygni α, Deneb.</i>										895 <i>24 Capricorni A.</i>									
Oct. 3	...	20	37	13 ³ 27	...	45	9	2.2	M	Sep. 1	...	21	0	3.03	...	115	29	14.0	R
7	...	37	13 ¹⁸ 23	...		9	5.1	M	4	...	0	2.84	...	29	16.7	R			
8	...	37	13 ¹⁸ 05	...		9	2.2	M											
9	...	37	13 ²⁵ 55	...		0	2.5	M											
887 <i>54 Cygni λ</i>										896 <i>62 Cygni ξ</i>									
Aug. 23	...	20	42	41.34	...	53	57	11.1	R	Sep. 13	...	21	0	31.72	...	46	38	10.5	R
										15	...	0	31.60	...	33	12.2	R		
888 <i>ι Indi.</i>																			
Aug. 25	5.5	20	42	44.40	...	142	3	25.4	R										
27	5.6	42	44.47	...		3	25.0	R											

49.64
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Separate Results of Madras Meridian Circle Observations in 1879.

Number and Date.	Magnitude.	Mean Right Ascension 1879.			No. of Wires.	Mean Polar Distance 1879.			Observer.	Number and Date.	Magnitude.	Mean Right Ascension 1879.			No. of Wires.	Mean Polar Distance 1879.			Observer.	
		h.	m.	s.		o.	'	"				h.	m.	s.		o.	'	"		
897 25 Capricorni χ									906 Radeliffe 5252.											
Sep. 3	5.6	21	1	37.64	...	111	40	41.0	R	Sep. 3	6.4	21	25	8.21	...	44	6	11.2	R	
										4	6.8			25	8.34	...		6	13.6	R
										13	8.0			25	8.27	...		6	9.6	R
										15	8.0			25	8.38	...		6	11.0	R
898 63 Cygni f^2 .									907 22 Aquarii β											
Aug. 28	5.0	21	2	25.59	...	42	50	14.0	R	Sep. 26	...	21	25	11.48	...	96	6	8.0	R	
Sep. 2	5.0			25.71	...			14.8	R	29	...			11.28	...			8.1	R	
17	5.4			25.79	...			13.8	R	Oct. 13	...			11.27	...			8.4	M	
899 64 Cygni ζ									908 8 Piscis Australis.											
Sep. 18	...	21	7	47.20	...	60	16	6.0	R	Sep. 1	5.6	21	29	10.06	...	116	42	35.0	R	
25	...			47.12	...			5.6	R											
27	...			47.16	...			4.3	R											
Oct. 3	...			47.27	...			5.1	M											
14	...			47.38	...			4.1	M											
15	...			47.14	...			4.9	M											
20	...			47.14	...			5.6	M											
900 Radeliffe 5151.									909 73 Cygni ρ											
Aug. 27	5.1	21	8	43.20	...	30	30	38.8	R	Sep. 2	4.5	21	29	25.51	...	44	56	31.1	R	
901 8 Equulei α									910 8 Pegasi ϵ											
Sep. 1	4.6	21	9	46.50	...	85	15	2.4	R	Sep. 30	...	21	38	14.60	...	80	40	42.3	R	
3	4.5			46.46	...			1.8	R	Oct. 13	...			14.68	...			44.1	M	
902 65 Cygni τ									911 78 Cygni μ —2nd.											
Aug. 28	...	21	9	57.40	...	52	28	12.5	R	Sep. 15	...	21	38	44.07	...	61	48	13.4	R	
Sep. 2	...			57.43	...			10.2	R	17	...			43.55	...			11.6	R	
903 67 Cygni σ									912 9 Pegasi.											
Sep. 4	4.6	21	12	39.67	...	51	6	45.3	R	Sep. 8	...	21	38	46.99	...	73	12	15.4	M	
13	4.7			39.84	...			40.9	R	13	...			46.98	...			13.0	R	
904 Anon.																				
Sep. 1	9.0	21	21	54.46	...	147	23	54.7	R											
905 71 Cygni g .																				
Sep. 2	5.1	21	24	58.89	...	43	59	30.2	R											

4.07
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4.4
3.7
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11.61
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4.6
1.7
1.4

Separate Results of Madras Meridian Circle Observations in 1879.

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19.14
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Number and Date.	Magnitude.	Mean Right Ascension 1879.			No. of Wires.	Mean Polar Distance 1879.			Observer.	Number and Date.	Magnitude.	Mean Right Ascension 1879.			No. of Wires.	Mean Polar Distance 1879.			Observer.	
		h.	m.	s.		o.	'	"				h.	m.	s.		o.	'	"		
913 <i>10 Pegasi κ</i>																				
Sep. 3	4.1	21	39	9.72	...	64	54	35.2	R	Oct. 16	...	21	59	34.05	...	90	54	26.0	M	
4	4.2	39	9.38	...	54	37.9	R	25	...		59	34.14	...	54	26.0	M				
										27	...	59	34.15	...	54	26.6	M			
										Nov. 3	...	59	34.07	...	54	24.4	R			
914 <i>11 Cephei.</i>																				
Sep. 20	4.5	21	40	8.46	...	19	14	43.1	R	921 <i>18 Cephei.</i>	Sep. 15	5.2	22	0	15.38	...	27	28	5.5	R
Oct. 8	4.5	40	8.47	6	14	42.0	M	17	5.2		0	15.38	...	28	4.6	R				
14	4.5	40	8.46	...	14	44.5	M													
20	4.5	40	8.16	...	14	42.6	M													
915 <i>o Indi.</i>																				
Sep. 26	5.6	21	40	31.26	...	160	11	28.8	R	922 <i>14 Piscis Australis μ</i>	Sep. 29	...	22	1	19.24	...	128	34	37.7	R
27	5.6	40	31.44	...	11	29.4	R	Oct. 3	...		1	19.31	...	34	40.5	M				
Oct. 16	5.6	40	31.39	...	11	29.2	M	8	...		1	19.14	...	34	40.4	M				
Nov. 4	5.6	40	31.28	...	11	29.0	R	15	...		1	19.25	...	34	37.4	M				
916 <i>31 Cygni π²</i>																				
Sep. 25	...	21	42	19.04	...	41	14	58.7	R	923 <i>24 Pegasi ι</i>	Sep. 8	4.5	22	1	22.72	...	65	14	41.9	R
29	...	42	19.10	...	14	59.3	R	20	4.4		1	22.70	...	14	41.5	R				
30	...	42	18.73	...	14	58.9	R	24	4.2		1	22.45	...	14	42.4	R				
Oct. 27	...	42	19.15	...	15	0.6	M	25	4.1		1	22.62	...	14	43.3	R				
917 <i>14 Pegasi.</i>																				
Sep. 24	...	21	44	29.38	...	60	23	17.9	R	924 <i>35 Aquarii.</i>	Sep. 26	5.6	22	2	20.62	...	109	6	39.2	R
											Oct. 14	5.6	2	20.32	...	6	40.7	M		
											17	5.6	2	20.42	...	6	38.3	M		
918 <i>16 Pegasi.</i>																				
Sep. 26	...	21	47	33.40	...	64	38	34.8	R	925 <i>15 Piscis Australis τ</i>	Nov. 8	5.7	22	3	3.37	...	128	8	23.7	R
Oct. 27	...	47	33.27	...	38	35.0	M	12	5.7		3	3.16	...	8	29.7	R				
28	...	47	33.36	...	38	34.5	M													
31	...	47	33.36	...	38	36.4	M													
Nov. 1	...	47	33.33	...	38	34.4	M													
3	...	47	33.43	...	38	33.5	R													
919 <i>Anon.</i>																				
Sep. 26	10.0	21	57	53.57	...	92	30	51.1	R	926 <i>27 Pegasi π¹</i>	Sep. 30	...	22	3	51.79	...	57	25	4.5	R
27	10.0	57	53.68	...	30	50.7	R	Oct. 20	...		3	51.66	...	25	5.7	M				
									28		...	3	51.33	...	25	5.5	M			
										Nov. 3	...	3	51.76	...	25	5.7	R			

24.06

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Separate Results of Madras Meridian Circle Observations in 1879.

Number and Date.	Magnitude.	Mean Right Ascension 1879.			No. of Wires.	Mean Polar Distance 1879.			Observer.	Number and Date.	Magnitude.	Mean Right Ascension 1879.			No. of Wires.	Mean Polar Distance 1879.			Observer.
		h.	m.	s.		o.	'	"				h.	m.	s.		o.	'	"	
943 52 Aquarii π																			
Sep. 29	...	22	19	5 ⁹⁴	...	89	14	7 ⁰	R										
Oct. 13	...	19	5 ⁷³	...		14	8 ⁵	M											
Nov. 5	...	19	5 ⁹³	...		14	7 ²	R											
8	...	19	5 ⁹³	...		14	6 ⁶	R											
10	...	19	5 ⁸³	...		14	4 ⁵	R											
944 4 Lacertæ.																			
Sep. 26	5 ⁰	22	19	36 ⁵⁵	...	41	8	9 ²	R										
27	5 ⁰	19	36 ⁵⁵	...		8	8 ⁹	R											
945 R. P. L. 150.																			
Nov. 3	...	22	22	40 ²⁹	3	4	30	0 ⁷	R										
R. P. L. 150—s.p.																			
Mar. 10	...	22	22	41 ⁴⁹	3	4	30	8 ⁰	M										
22	...	22	41 ⁸⁷	3		30	6 ⁹	M											
25	...	22	41 ⁹⁴	3		80	8 ³	M											
27	...	22	41 ³⁸	3		80	8 ³	M											
Apl. 8	...	22	41 ³⁵	3		30	9 ¹	R											
May 1	...	22	42 ³⁰	3		30	8 ⁶	R											
3	...	22	42 ³⁰	3		30	9 ⁶	M											
10	...	22	41 ⁷⁰	3		30	7 ⁶	M											
13	...	22	40 ⁵²	3		30	9 ⁶	M											
946 R. P. L. 151—s.p.																			
Apl. 1	...	22	23	8 ³⁶	3	4	23	18 ¹	R										
947 5 Lacertæ.																			
Sep. 20	...	22	24	20 ⁰⁰	...	42	54	42 ³	R										
24	...	24	23 ⁰⁴	...		54	43 ⁰	R											
Oct. 3	...	24	23 ⁵⁶	...		54	41 ⁹	M											
7	...	24	23 ⁵⁹	...		54	40 ⁹	M											
14	...	24	23 ⁰¹	...		54	44 ⁷	M											
948 ν Tucanæ.																			
Sep. 27	5 ⁰	22	24	48 ¹¹	...	152	36	11 ¹	R										
30	5 ¹	24	48 ²²	...		36	12 ²	R											
Oct. 6	...	24	48 ⁵²	...		36	11 ⁸	M											
Nov. 1	5 ²	24	48 ³⁷	...		36	11 ⁹	R											
5	...	24	48 ¹¹	4		86	10 ⁶	R											
949 7 Lacertæ α																			
Sep. 29	4 ²	22	26	18 ²⁵	...	40	20	19 ⁶	R										
Nov. 10	4 ⁵	26	18 ⁵²	...		20	18 ⁹	R											
12	4 ¹	26	18 ¹⁰	...		20	19 ⁸	R											
950 B. F. 3091.																			
Sep. 20	5 ⁷	22	28	56 ³⁷	...	114	36	55 ⁹	R										
24	5 ⁷	28	56 ³⁰	...		36	56 ¹	R											
25	5 ⁶	28	56 ³⁵	...		36	55 ⁶	R											
951 62 Aquarii η																			
Oct. 17	...	22	29	8 ²⁷	...	90	44	24 ⁸	M										
23	...	29	8 ³⁴	...		44	25 ⁹	M											
Nov. 4	...	29	8 ²⁸	...		44	24 ⁹	R											
11	...	29	8 ¹⁹	...		44	23 ⁷	R											
952 31 Cephei.																			
Nov. 8	5 ²	22	32	46 ⁴¹	...	16	58	53 ³	R										
10	5 ²	32	46 ³⁸	...		58	54 ¹	R											
12	5 ¹	32	46 ³⁹	...		58	55 ⁴	R											
953 30 Cephei.																			
Sep. 25	5 ⁰	22	34	21 ⁰⁸	...	27	2	36 ⁸	R										
27	5 ¹	34	21 ³⁸	...		2	36 ⁸	R											
954 42 Pegasi ζ																			
Oct. 9	...	22	35	25 ⁵⁴	...	79	47	59 ²	M										
11	...	35	25 ⁵⁸	...		47	57 ⁸	M											
18	...	35	25 ⁵⁷	...		47	57 ⁰	M											
23	...	35	25 ⁴⁴	...		47	57 ⁰	M											
Nov. 1	...	35	25 ⁵²	...		48	0 ⁰	R											
5	...	35	25 ⁵⁶	...		47	57 ⁷	R											
11	...	35	25 ⁴⁹	...		47	56 ⁷	R											
955 43 Pegasi ο																			
Sep. 24	5 ³	22	36	4 ²³	...	61	19	24 ⁹	R										
26	5 ⁰	36	4 ⁴⁵	...		19	23 ²	R											
30	5 ¹	36	4 ²⁸	...		19	23 ⁰	R											

5.72
91
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87

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8.25
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25.53

41.40

Separate Results of Madras Meridian Circle Observations in 1879.

Number and Date.	Magnitude.	Mean Right Ascension 1879.			No. of Wires.	Mean Polar Distance 1879.			Observer.	Number and Date.	Magnitude.	Mean Right Ascension 1879.			No. of Wires.	Mean Polar Distance 1879.			Observer.
		h.	m.	s.		o.	'	"				h.	m.	s.		o.	'	"	
956 ρ <i>Gruis</i> .																			
Nov. 20	5.6	22	36	28 ⁴⁴ ₀	...	182	2	39.9	R	Nov. 20	5.6	22	46	12 ⁰⁷ ₅	...	160	43	11.9	R
21	5.6	36	28 ⁵⁸ ₀	...	2	39.8	R	24	5.6	46	13.15	...	43	14.1	R				
957 η <i>Gruis</i> .																			
Oct. 27	5.0	22	38	11 ⁵⁴ ₀	...	144	8	9.9	M										
958 46 <i>Pegasi</i> ξ																			
Oct. 7	...	22	40	38 ⁵¹ ₀	...	78	26	50.3	M										
15	...	40	38 ⁹⁴ ₀	...	26	48.8	M												
16	...	40	38 ⁵³ ₀	...	26	50.5	M												
20	...	40	38 ⁷³ ₀	...	26	49.5	M												
959 47 <i>Pegasi</i> λ																			
Sep. 25	4.5	22	40	42.11	4	67	4	8.4	R										
27	4.7	40	42.11	...	4	8.8	R												
29	4.6	40	42.11	...	4	10.5	R												
30	4.6	40	42 ⁰⁸ ₀	...	4	9.0	R												
960 48 <i>Pegasi</i> μ																			
Sep. 26	4.2	22	44	9.76	...	66	2	11.8	R										
Oct. 6	4.2	44	9.77	...	2	12.3	M												
8	4.2	44	9.76	...	2	12.1	M												
14	5.7	44	9.63	...	2	14.5	M												
Nov. 3	4.1	44	9.61	...	2	13.0	R												
961 <i>Radcliffe</i> 5847.																			
Nov. 4	5.2	22	44	46 ⁰⁴ ₀	...	34	44	17.9	R										
5	...	44	46 ⁴⁵ ₀	...	44	18.1	R												
10	5.3	44	46 ⁵⁷ ₀	...	44	17.1	R												
962 32 <i>Cephei</i> ϵ																			
Nov. 12	4.1	22	45	22 ⁰⁴ ₀	...	24	26	7.2	R										
21	4.0	45	22 ⁵⁸ ₀	...	26	8.1	R												
963 22 <i>Piscis Australis</i> γ																			
Sep. 24	...	22	45	47.70	...	123	30	59.5	R										
Oct. 13	...	45	47.86	...	31	1.3	M												
16	...	45	47.61	...	31	1.0	M												
17	...	45	47.85	...	31	0.5	M												
Nov. 11	...	45	47.87	...	30	58.2	R												
964 ρ <i>Indi</i> .																			
Nov. 20	5.6	22	46	12.07	...	160	43	11.9	R										
24	5.6	46	13.15	...	43	14.1	R												
965 <i>Radcliffe</i> 5864.																			
Sep. 27	5.6	22	46	38.99	...	23	56	46.1	R										
29	5.7	46	39.01	...	56	47.8	R												
30	5.6	46	39.06	...	56	44.5	R												
966 23 <i>Piscis Australis</i> δ																			
Sep. 26	...	22	49	14.27	...	123	11	8.5	R										
Oct. 9	...	49	14.35	...	11	8.2	M												
15	...	49	14.31	...	11	8.1	M												
967 24 <i>Piscis Australis</i> α , <i>Fomalhaut</i> .																			
Nov. 8	...	22	50	57.74	...	120	15	46.7	R										
12	...	50	57.67	...	15	48.5	R												
968 ζ <i>Gruis</i> .																			
Sep. 27	5.1	22	53	43.48	...	143	24	8.4	R										
29	5.2	53	43.53	...	24	9.5	R												
30	5.1	53	43.46	...	24	7.1	R												
969 π <i>Piscis Australis</i> .																			
Sep. 26	5.5	22	56	47.88	...	125	24	11.7	R										
Oct. 14	...	56	48.05	...	24	9.4	M												
16	5.5	56	47.78	...	24	12.1	M												
970 54 <i>Pegasi</i> α , <i>Markab</i> .																			
Oct. 7	...	22	58	44.13	...	75	26	42.2	M										
23	...	58	43.98	...	26	46.4	M												
31	...	58	44.01	...	26	43.9	M												
Nov. 3	...	58	43.97	...	26	43.0	R												
5	...	58	43.91	...	26	45.9	R												
8	...	58	43.85	...	26	43.0	R												
20	...	58	43.95	...	26	41.9	R												

23-89
Crown

11.54

35-80
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14.07
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Separate Results of Madras Meridian Circle Observations in 1879.

Number and Date.	Magnitude.	Mean Right Ascension 1879.			No. of Wires.	Mean Polar Distance 1879.			Observer.	Number and Date.	Magnitude.	Mean Right Ascension 1879.			No. of Wires.	Mean Polar Distance 1879.			Observer.
		h.	m.	s.		°	'	"				h.	m.	s.		°	'	"	
971 <i>Radeliffe</i> 5944.																			
Sep. 27	5.1	22	58	55.98	...	23	26	32.5	R	139									
Oct. 8	5.1	58	56.07	...		26	32.9	M											
13	5.1	58	56.24	6		26	33.2	M											
972 θ <i>Cruis.</i>																			
Sep. 30	...	23	0	3.43	...	134	10	20.9	R	2146									
Oct. 15	...		0	3.46	...		10	22.5	M										
17	...		0	3.66	...		10	21.6	M										
20	...		0	3.87	...		10	24.7	M										
973 86 <i>Aquarii</i> ϵ^1 .																			
Nov. 11	...	23	0	10.84	...	114	23	44.9	R	1076									
24	...		0	10.85	...		23	46.2	R										
974 55 <i>Pegasi.</i>																			
Sep. 29	...	23	0	54.57	...	81	14	34.9	R	571									
Oct. 28	...		0	54.68	...		14	35.9	M										
Nov. 1	...		0	54.81	...		14	38.5	R										
12	...		0	54.78	...		14	37.8	R										
22	...		0	54.48	...		14	34.8	R										
975 89 <i>Aquarii</i> ϵ^* .																			
Oct. 27	5.5	23	3	27.23	...	113	6	46.3	M	2716									
Nov. 3	5.2		3	27.18	...		6	46.3	R										
10	5.2		3	27.42	...		6	44.7	R										
20	5.0		3	27.40	...		6	46.3	R										
976 ι <i>Cruis.</i>																			
Nov. 21	5.0	23	3	30.76	...	135	54	5.4	R	14									
24	5.0		3	30.46	...		54	5.7	R										
977 7 <i>Andromedæ.</i>																			
Nov. 1	...	23	7	0.25	...	41	15	14.9	R	030									
4	...		7	0.14	...		15	15.0	R										
11	...		7	0.23	...		15	14.6	R										
978 <i>Lacaille</i> 9412.																			
Nov. 3	5.4	23	9	40.66	...	152	39	39.0	R	4070									
12	5.3		9	40.68	...		39	39.8	R										
20	5.1		9	40.77	...		39	39.0	R										
22	5.0		9	40.61	...		39	38.7	R										
979 γ <i>Tucanæ.</i>																			
Sep. 29	4.5	23	10	21.53	...	143	53	56.1	R	2146									
980 92 <i>Aquarii</i> χ																			
Sep. 30	5.6	23	10	34.66	...	93	23	8.3	R	2455									
Oct. 6	5.6		10	34.32	...		23	10.4	M										
9	...		10	34.53	...		23	7.1	M										
981 6 <i>Pisicium</i> γ																			
Nov. 5	...	23	10	53.47	...	87	23	41.7	R	5345									
10	...		10	53.37	...		22	42.5	R										
19	...		10	53.37	...		22	43.1	R										
21	...		10	53.46	...		22	42.5	R										
25	...		10	53.36	...		22	41.9	R										
982 8 <i>Andromedæ.</i>																			
Nov. 1	5.2	23	12	7.97	...	41	33	41.2	R	803									
27	5.0		12	7.84	...		33	42.3	R										
28	5.0		12	7.81	...		33	42.4	R										
983 γ <i>Sculptoris.</i>																			
Oct. 31	...	23	12	17.13	...	123	11	23.6	M	1712									
Nov. 4	...		12	17.36	...		11	25.9	R										
8	...		12	17.25	...		11	27.9	R										
24	...		12	17.31	...		11	23.4	R										
984 62 <i>Pegasi</i> τ																			
Sep. 26	...	23	14	38.91	...	66	55	16.5	R	2912									
Oct. 14	...		14	39.16	...		55	18.3	M										
15	...		14	39.03	...		55	18.1	M										
16	...		14	38.83	...		55	17.7	M										

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Number and Date.	Magnitude.	Mean Right Ascension 1879.			No. of Wires.	Mean Polar Distance 1879.			Observer.	Number and Date.	Magnitude.	Mean Right Ascension 1879.			No. of Wires.	Mean Polar Distance 1879.			Observer.
		h.	m.	s.		°	'	"				h.	m.	s.		°	'	"	
985 98 Aquarii δ^1 .																			
36.75 .49 .84	Sep. 30	...	23	16	36 ⁵⁷	...	110	45	38.1	R									
	Oct. 13	...	16	37 ⁴⁴	...		45	39.0	M										
	17	...	16	36 ⁵⁸	...		45	35.5	M										
986 68 Pegasi ν																			
20.42 .16 .15	Nov. 8	...	23	19	20 ⁴²	...	67	15	42.0	R									
	26	...	19	20 ¹¹	...		15	43.2	R										
	27	...	19	20 ⁴⁵	...		15	41.2	R										
987 4 Cassiopeiæ.																			
27.82 .83 .87 .64 .60	Nov. 1	5.1	23	19	27 ⁵²	...	28	22	51.4	R									
	3	5.2	19	27 ⁵²	...		22	50.4	R										
	20	5.0	19	27 ⁵²	...		22	51.0	R										
	21	5.0	19	27 ⁵²	...		22	50.3	R										
988 99 Aquarii δ^2 .																			
41.25 .18 .27	Oct. 27	...	23	19	41 ²⁵	...	111	18	17.0	M									
	28	...	19	41 ²²	...		18	18.4	M										
	31	...	19	41 ²²	...		18	18.3	M										
989 8 Piscium κ																			
43.72 .74	Nov. 12	...	23	20	43 ⁷²	...	89	24	21.9	R									
	22	...	20	43 ⁷⁵	...		24	20.6	R										
	24	...	20	43 ⁷⁷	...		24	23.4	R										
990 Radcliffe 6084.																			
	Nov. 28	5.0	23	22	9.64	...	20	18	19.4	R									
991 W. B. E. XXIII. 423.																			
35.40 .96	Sep. 29	9.5	23	22	35 ⁴⁰	...	100	45	58.3	R									
	Nov. 10	9.5	22	35 ³⁵	...		46	0.8	R										
992 70 Pegasi η .																			
2.08 .11	Oct. 7	...	23	23	2 ⁰⁸	...	77	54	20.7	M									
	17	...	23	2.06	...		54	20.9	M										
	Nov. 5	...	23	2.10	...		54	19.8	R										
	25	...	23	2.25	...		54	22.0	R										
993 Radcliffe 6092.																			
	Nov. 1	5.1	23	24	26 ⁵⁷	...	32	7	5.3	R									
	3	5.2	24	26 ⁵⁸	...		7	3.9	R										
	4	5.2	24	26 ⁵⁸	...		7	3.0	R										
994 β Sculptoris.																			
	Oct. 8	5.0	23	26	28 ⁷¹	...	128	29	11.3	M									
	16	5.0	26	28 ⁵⁷	...		29	12.3	M										
	27	5.0	28	28 ⁷⁵	...		29	14.5	M										
995 101 Aquarii δ^4 .																			
	Nov. 8	...	23	26	56 ⁷⁸	...	111	34	57.9	R									
	20	5.0	26	56 ⁷⁸	...		34	57.2	R										
	22	5.0	26	56 ⁶⁸	...		34	55.8	R										
	24	5.1	26	56 ⁶⁸	...		34	56.6	R										
996 R. P. L. 158.																			
	Oct. 14	...	23	27	49 ^{50.66}	3	3	21	35.1	M									
R. P. L. 158—s.p.																			
	Apr. 24	...	23	27	49 ⁷³	3	3	21	37.7	R									
	May. 7	...	27	49 ⁹⁹	3		21	38.9	M										
	16	...	27	49 ⁸⁴	3		21	37.3	M										
997 ι Phœnicis.																			
	Nov. 3	5.2	23	28	33 ²⁴	...	133	17	1.2	R									
	4	5.2	28	33 ²²	...		17	0.4	R										
	5	...	28	34 ¹¹	...		17	1.1	R										
	10	5.2	28	34 ²⁴	...		17	0.4	R										
998 Anon.																			
	Nov. 25	8.0	23	29	45 ²⁴	...	138	8	5.6	R									
	26	8.0	29	45 ²²	...		8	6.9	R										
	Dec. 2	8.4	29	45 ²⁰	...		8	5.1	R										
999 16 Andromææ λ																			
	Nov. 1	...	23	31	38 ⁵¹	...	44	11	48.9	R									
	27	...	31	38 ³³	...		11	48.8	R										

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		h.	m.	s.		°	'	"				h.	m.	s.		°	'	"	
1000 17 Andromedæ ι																			
Nov. 24	4.5	23	32	12 ⁰⁶ 08	...	47	24	4.9	R	Nov. 1	5.1	23	37	54 ²² 31	...	61	18	28.8	R
29	4.3	32	12 ⁰⁴ 04	...	24	7.0	R	Dec. 2	5.0	37	54 ¹⁵ 31	...	18	28.9	R	18	30.1	R	
1001 θ Phœnicis—2nd.																			
Nov. 22	5.0	23	32	58 ¹² 12	...	137	18	32.9	R										
1002 Anon.																			
Nov. 23	6.2	23	33	29 ⁰² 32	...	137	59	47.2	R										
Dec. 1	6.8	33	29 ⁰⁴ 34	...	59	44.8	R												
3	6.4	33	29 ⁰⁵ 35	...	59	44.8	R												
1003 17 Piscium ι																			
Oct. 15	...	23	33	43 ⁰⁹ 02	...	85	1	45.1	M										
23	...	38	43 ⁰² 52	...	1	45.1	M												
Nov. 20	...	38	43 ⁰² 52	...	1	44.8	R												
21	...	38	43 ⁰² 52	...	1	44.7	R												
1004 19 Andromedæ κ																			
Nov. 4	4.7	23	34	26 ⁴³ 34	...	40	20	7.5	R										
1005 103 Aquarii A ¹ .																			
Oct. 9	...	23	35	13 ⁰⁶ 57	...	108	41	43.7	M										
20	...	35	17 ⁰⁶ 58	...	41	42.6	M												
25	...	35	17 ⁰⁶ 58	...	41	44.7	M												
Nov. 3	...	35	18 ⁰⁴ 41	...	41	43.4	R												
1006 104 Aquarii A ² .																			
Oct. 31	...	23	35	28 ⁰⁶ 02	...	108	29	14.6	M										
Nov. 5	...	35	28 ⁰⁴ 01	...	29	10.7	R												
10	5.2	35	28 ⁰⁶ 02	...	29	12.9	R												
25	5.0	35	28 ⁰⁷ 03	...	29	12.5	R												
1007 105 Aquarii ω^2																			
Nov. 12	...	23	36	26 ⁰⁴ 01	...	105	12	49.0	R										
26	...	36	26 ⁰² 02	...	12	49.6	R												
27	...	36	26 ⁰⁶ 03	...	12	49.1	R												
1008 78 Pegasi.																			
Nov. 1	5.1	23	37	54 ²² 31	...	61	18	28.8	R										
8	...	37	54 ¹⁵ 31	...	18	28.9	R												
Dec. 2	5.0	37	54 ²⁵ 32	...	18	30.1	R												
1009 106 Aquarii i ¹ .																			
Oct. 6	...	23	37	55 ²⁷ 33	...	106	56	53.0	M										
Nov. 24	5.0	37	55 ⁴⁰ 34	...	56	53.7	R												
1010 20 Andromedæ ν																			
Oct. 18	5.0	23	40	21 ⁰³ 26	...	44	15	2.7	M										
16	...	40	21 ⁰³ 26	...	15	4.6	M												
27	5.0	40	21 ⁰³ 26	...	15	5.8	M												
Dec. 3	5.0	40	21 ⁰³ 26	...	15	4.6	R												
1011 5 Cassiopeiæ τ																			
Nov. 3	5.1	23	41	8 ⁴⁰ 36	...	32	1	18.1	R										
4	5.2	41	8 ⁴⁰ 36	...	1	16.9	R												
20	5.1	41	8 ⁴⁰ 36	...	1	18.6	R												
21	5.0	41	8 ⁴⁰ 36	...	1	20.0	R												
1012 Radcliffe 6184.																			
Nov. 5	...	23	42	7 ⁴⁰ 36	...	22	51	54.3	R										
12	5.2	42	7 ⁴⁰ 36	...	51	55.9	R												
27	5.0	42	7 ⁴⁰ 36	...	51	53.4	R												
Dec. 1	5.0	42	7 ⁴⁰ 36	...	51	54.5	R												
1013 δ Sculptoris.																			
Oct. 8	...	23	42	37 ¹⁷ 11	...	118	47	53.0	M										
Nov. 10	...	42	37 ¹⁷ 11	...	47	53.8	R												
11	...	42	37 ¹⁷ 11	...	47	57.1	R												
22	...	42	37 ¹⁷ 11	...	47	57.8	R												
26	...	42	37 ¹⁷ 11	...	47	53.0	R												
28	...	42	37 ¹⁷ 11	...	47	57.7	R												
1014 Radcliffe 6215.																			
Nov. 1	5.3	23	43	57 ²⁶ 03	...	16	15	46.5	R										
3	5.2	43	57 ²⁶ 03	...	15	44.7	R												

12.04

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73

43.62
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58

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17.97
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26.82
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89
72

26.61
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54.23
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55.23

2.26
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05
28
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8.49
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36
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7.70
7.97
73
73
7.76

37.11
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27
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57.43
46

Separate Results of Madras Meridian Circle Observations in 1879.

Number and Date.	Magnitude.	Mean Right Ascension 1879.			No. of Wires.	Mean Polar Distance 1879.			Observer.	Number and Date.	Magnitude.	Mean Right Ascension 1879.			No. of Wires.	Mean Polar Distance 1879.			Observer.
		h.	m.	s.		o.	'	"				h.	m.	s.		o.	'	"	
1015 <i>η Tucanæ.</i>																			
13.35 23 Oct. 25	5.0	23	51	13 ³⁵ 51 ₂₃	...	154	59	13.0	M										
	5.0		51	13 ³⁵ 41 ₂₃	...		59	9.5	M										
1016 <i>27 Piscium.</i>																			
24.73 50 78 Oct. 31	...	23	52	28 ⁵ 76 ₂₃	...	94	13	39.2	M										
	...		52	28 ⁵ 82 ₂₃	...		13	37.1	R										
	...		52	28 ⁵ 81 ₂₃	...		13	37.5	R										
1017 <i>π Phœneis.</i>																			
17 48 25 20 Nov. 21	5.6	23	52	39 ¹⁷ 28 ₂₃	...	143.	25	15.7	R										
	5.6		52	39 ¹⁷ 33 ₂₃	...		25	14.8	R										
	5.6		52	39 ¹⁷ 17 ₂₃	...		25	16.7	R										
1018 <i>28 Piscium ω</i>																			
5.72 92 91 Oct. 17	...	23	53	5 ⁷ 78 ₂₃	...	83	48	21.8	M										
	...		53	5 ⁷ 85 ₂₃	...		48	23.8	R										
	...		53	5 ⁷ 83 ₂₃	...		48	21.5	R										
	...		53	5 ⁷ 85 ₂₃	...		48	22.8	R										
	...		53	5 ⁷ 78 ₂₃	...		48	20.1	R										
1019 <i>ε Tucanæ.</i>																			
Nov. 20	5.0	23	53	37 ^{6.81} 46 ₂₃	...	156	14	58.6	R										
22	5.0		53	37 ^{6.81} 48 ₂₃	...		15	0.4	R										
27	5.0		53	37 ^{6.81} 48 ₂₃	...		15	1.0	R										
Dec. 2	5.0		53	37 ^{6.81} 47 ₂₃	...		15	0.8	R										
1020 <i>Radeliffe 6265.</i>																			
Nov. 3	5.2	23	55	26 ²⁴ 74 ₂₃	...	29	27	3.0	R										
1021 <i>ζ Sculptoris.</i>																			
Nov. 1	...	23	56	7 ¹² 78 ₂₃	...	120	23	39.9	R										
10	...		56	7 ¹² 81 ₂₃	...		23	39.7	R										
Dec. 3	...		56	7 ¹² 70 ₂₃	...		23	39.9	R										
1022 <i>Radeliffe 6297.</i>																			
Nov. 4	5.2	23	58	51 ¹⁶ 01 ₂₃	...	29	21	34.8	R										
5	...		58	50 ¹⁶ 01 ₂₃	...		21	34.8	R										
22	5.0		58	51 ¹⁶ 00 ₂₃	...		21	34.7	R										
24	5.0		58	51 ¹⁶ 09 ₂₃	...		21	36.1	R										

36.81
27.08
.27
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09
26.84
7.70
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61
51.16
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07
17