
SEPARATE RESULTS
OF
OBSERVATIONS
OF THE FIXED STARS,
MADE WITH THE
MADRAS MERIDIAN CIRCLE
IN THE YEAR
1869.

Separate Results of Madras Meridian Circle Observations in 1869.

Number and Date.	Magnitude.	Mean Right Ascension 1869.			No. of Wires.	Mean Polar Distance 1869.			Observer.	Number and Date.	Magnitude.	Mean Right Ascension 1869.			No. of Wires.	Mean Polar Distance 1869.			Observer.
		h.	m.	s.		o.	'	"				h.	m.	s.		o.	'	"	
1 21 <i>Andromedae α, Alpherat.</i>										10 18 <i>Cassiopeae α, Var. 2, Shedir.</i>									
Oct. 8	...	0	1	37.08	...	61	37	59.0	R	Nov. 1	...	0	33	5.35	...	34	10	53.0	M
Nov. 3	...	1	37.11	...			37	58.7	M	11 16 <i>Ceti β</i>									
4	...	1	37.11	...			37	58.0	M	Nov. 8	...	0	37	0.68	...	108	42	23.7	R
16	...	1	37.15	...	8		37	58.8	R	9	...	37	0.78	...		42	23.7	R	
24	...	1	37.24	...			37	58.9	M	10	...	37	0.72	5		42	23.0	R	
2 <i>Lacaille 9746.</i>										17	...	37	0.72	...		42	23.2	R	
Oct. 5	9.3	0	3	3.28	...	146	55	15.2	R	24	...	37	0.69	...		42	21.8	M	
3 <i>Anon.</i>										27	...	37	0.69	5		42	22.0	M	
Oct. 26	9.0	0	6	26.28	...	181	6	37.2	M	12 <i>W. B. E. 0.716.</i>									
4 88 <i>Pegasi γ, Algenib.</i>										Nov. 3	8.9	0	41	56.90	...	94	35	10.4	M
Nov. 8	...	0	6	29.53	...	75	32	41.9	R	13 <i>R. P. L. 10—s.p.</i>									
16	...	6	29.53	6		32	43.0	R	Mar. 30	...	0	43	20.94	3	1	40	50.9	M	
27	...	6	29.56	...		32	41.7	M	14 <i>Anon.</i>										
5 <i>Taylor 64.</i>										Nov. 17	8.7	0	50	34.48	...	129	88	31.8	R
Oct. 30	7.7	0	14	22.36	...	129	57	59.4	M	15 <i>Anon.</i>									
6 <i>Anon.</i>										Nov. 29	8.9	0	51	17.76	...	130	39	18.6	M
Oct. 12	...	0	17	2.52	8	26	25	35.6	R	80	8.9	51	17.74	...	39	19.3	M		
Nov. 17	9.0	17	2.52	...		25	34.5	R	16 71 <i>Piscium ε</i>										
7 <i>Anon.</i>										Nov. 8	...	0	56	8.70	...	82	48	56.8	R
Nov. 3	9.0	0	19	15.21	6	26	34	57.9	M	9	...	56	8.67	...	48	56.6	R		
8 10 <i>Ceti.</i>										10	...	56	8.73	5	48	55.9	R		
Sep. 21	...	0	19	54.32	...	90	46	33.2	M	12	...	56	8.76	...	48	57.0	R		
9 12 <i>Ceti.</i>										17	...	56	8.73	...	48	57.7	R		
Sep. 21	...	0	23	21.29	4	94	40	55.1	M	17 80 <i>Piscium ε</i>									
Oct. 16	...	23	21.28	...		40	55.2	M	Sep. 21	...	1	1	37.39	...	85	2	39.2	M	
29	...	23	21.21	4		40	55.0	M	22	...	1	37.38	...	2	38.2	M			
Nov. 11	...	23	21.18	...		40	54.4	R	18 <i>Anon.</i>										
29	...	23	21.21	...		40	54.8	M	Nov. 29	7.9	1	3	20.71	...	150	14	43.4	M	

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0.67

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		h.	m.	s.		°	'	"				h.	m.	s.		°	'	"	
19 <i>33 Ceti.</i>										26 <i>99 Piscium γ</i>									
Oct. 18	...	1	3	49.12	...	88	15	8.8	M	Oct. 21	...	1	24	28.56	...	75	19	51.2	M
										29	...		24	28.20	...		19	50.8	R
										Nov. 12	...		24	28.40	...		19	51.7	M
										27	...		24	28.51	...		19	50.8	M
										Dec. 17	...		24	28.57	...		19	50.0	M
20 <i>86 Piscium ζ-1st.</i>										27 <i>Anon.</i>									
Nov. 12	...	1	6	53.30	...	83	7	5.6	R	Dec. 7	8.2	1	25	56.11	4	150	20	8.2	R
										18	8.0		25	55.70	...		20	7.9	M
21 <i>1 Ursae Minoris α, Polaris.</i>										28 <i>Anon.</i>									
Nov. 17	...	1	10	57.43 55.44	1	1	23	20.9	R	Nov. 29	8.0	1	31	2.77	...	180	40	4.9	M
24	...		10	57.15	3		23	20.3	M	29 <i>α Eridani, Achernar.</i>									
<i>1 Ursae Minoris, α, Polaris.—s.p.</i>										Dec. 8									
Apl. 16	...	1	10	54.88	2	1	23	22.3	M	...	1	32	50.03	5	147	54	14.0	R	
30	...		10	55.70	1		23	22.8	M	30 <i>106 Piscium ν</i>									
May 8	...		10	57.12	3		23	21.5	R	Aug. 25	...	δ	34	36.91	6	85	10	36.5	M
22 <i>89 Piscium f.</i>										Oct. 21									
Sep. 21	...	1	11	2.55	...	87	4	35.4	M	...		34	36.84	...		10	33.9	M	
22	...		11	2.60	...		4	34.8	M	Nov. 17	...		34	36.96	...		10	35.2	R
Oct. 18	...		11	2.50	...		4	34.6	M	18	...		34	36.93	...		10	35.1	M
23 <i>Anon.</i>										24									
Nov. 29	6.9	1	15	11.68	...	150	45	48.7	M	...		34	36.88	...		10	34.3	M	
24 <i>45 Ceti θ^1</i>										31 <i>Lacaille 503.</i>									
Nov. 11	...	1	17	28.65	4	98	51	37.4	R	Nov. 27	7.5	1	35	53.00	...	151	39	47.8	M
12	...		17	28.53	...		51	38.2	R	32 <i>Anon.</i>									
30	...		17	28.64	...		51	37.7	M	Dec. 2	9.5	1	40	35.56	...	128	35	32.6	R
Dec. 7	...		17	28.55	5		51	30.8	R	33 <i>6 Arietis β</i>									
16	...		17	28.59	...		51	37.1	M	Oct. 21	...	1	47	24.37	...	60	50	2.8	M
17	...		17	28.61	...		51	37.7	M	Nov. 29	...		47	24.55	...		50	2.1	M
25 <i>98 Piscium μ</i>										Dec. 2									
Aug. 25	...	1	23	19.35	...	84	81	57.5	M	...		47	24.31	...		50	3.2	R	
26 <i>99 Piscium γ</i>										3									
Nov. 27	8.8	1	49	27.72	...	126	6	4.8	M	...		47	24.87	5		50	2.1	R	
27 <i>Anon.</i>										7									
Nov. 27	8.8	1	49	27.72	...	126	6	4.8	M	...		47	24.29	...		50	3.4	R	
28 <i>Anon.</i>										34 <i>Anon.</i>									
29 <i>α Eridani, Achernar.</i>										Nov. 27									
Dec. 8										8.8									
...										1									
1 32 50.03										27.72									
5 147 54 14.0										...									
R										M									

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		h.	m.	s.		o.	'	"				h.	m.	s.		o.	'	"										
35	<i>Anon.</i>																											
Dec. 7	9.0	1	56	19.53	...	129	57	5.3	R	Nov. 4	...	2	12	43.70	...	93	34	26.3	M									
36	<i>Anon.</i>																											
Dec. 2	9.2	1	56	19.78	...	129	25	49.4	R	46	<i>Anon.</i>																	
37	<i>Anon.</i>																											
Dec. 16	9.1	1	56	20.47	5	87	28	5.3	M	Dec. 16	7.9	2	16	32.19	6	151	17	6.3	M									
38	<i>13 Arietis α</i>																											
Oct. 22	...	1	59	47.52	...	67	9	31.6	M	47	<i>Anon.</i>																	
Dec. 1	...	59	47.51	...	9	31.8	R			Dec. 2	9.5	2	17	52.04	...	151	1	47.0	R									
3	...	59	47.47	5	9	30.9	R			17	7.4	17	52.49	...	1	47.9	M											
39	<i>Anon.</i>																											
Nov. 29	9.0	2	1	6.90	...	87	17	6.3	M	18	7.9	17	52.58	...	1	46.5	M											
Dec. 17	9.4	1	6.90	...	17	5.7	M			48	<i>73 Ceti ζ²</i>																	
40	<i>Anon.</i>																											
Dec. 2	9.4	2	2	7.65	...	130	0-52.9	R		Oct. 21	...	2	21	11.60	...	82	7	42.6	M									
41	<i>Lalande 4053.</i>																											
Nov. 27	7.3	2	4	55.42	...	87	9	55.5	M	22	...	21	11.79	...	7	42.6	M											
Dec. 18	7.0	4	55.56	...	9	56.2	M			Nov. 9	...	21	11.74	...	7	42.9	R											
42	<i>65 Ceti ζ¹</i>																											
Nov. 17	...	2	6	3.38	...	81	46	9.9	R	17	...	21	11.75	...	7	43.4	R											
Dec. 13	...	6	3.56	6	46	8.9	R			29	...	21	11.72	...	7	43.0	M											
43	<i>Anon.</i>																											
Dec. 7	...	2	7	5.93	5	87	5	30.9	R	80	...	21	11.61	6	7	44.0	M											
44	<i>67 Ceti.</i>																											
Oct. 22	...	2	10	26.87	...	97	1	38.7	M	Dec. 1	...	21	11.76	...	7	42.6	R											
Nov. 10	...	10	26.92	...	1	38.6	R			3	...	21	11.73	...	7	42.2	R											
Dec. 1	...	10	26.97	...	1	38.5	R			15	...	21	11.77	...	7	42.8	R											
2	...	10	26.97	...	1	38.8	R			49	<i>Anon.</i>																	
3	...	10	26.99	...	1	38.5	R			Dec. 2	9.7	2	23	20.45	...	120	45	9.7	R									
15	...	10	26.96	...	1	38.7	R			50	<i>Anon.</i>																	
45	<i>68 Ceti o Var. 1, Mira.</i>																											
Nov. 4	...	2	12	43.70	...	93	34	26.3	M	Nov. 9	9.2	2	31	20.57	...	148	30	1.5	R									
46	<i>Anon.</i>																											
Dec. 16	7.9	2	16	32.19	6	151	17	6.3	M	51	<i>32 Arietis ν</i>																	
47	<i>Anon.</i>																											
Dec. 2	9.5	2	17	52.04	...	151	1	47.0	R	Dec. 16	...	2	31	22.92	6	63	36	19.6	M									
17	7.4	17	52.49	...	1	47.9	M			52	<i>Anon.</i>																	
18	7.9	17	52.58	...	1	46.5	M			Oct. 22	8.8	2	34	15.66	...	74	55	16.1	M									

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[1.8]