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SEPARATE RESULTS

OF

OBSERVATIONS

MADE WITH THE

MADRAS MERIDIAN CIRCLE

IN THE YEAR

1863.

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*Separate Results of Madras Meridian Circle Observations in 1863*

Number	Star	Date of Observation		Observed	Mean Right Ascension 1863			No of Wires	Mean Polar Distance 1863			Magnitude
					<i>h</i>	<i>m</i>	<i>s</i>					
1	21 Andromedæ $\alpha$	Oct	29	R	0	1	18 56	5	61	39	59 3	
			30	R		1	18 68		39	59 1		
		Nov	7	M		1	18 74		39	58 9		
			13	M		1	18 61		40	0 5		
2		Oct	10	M	0	6	3 70	5	149	40	35 9	6 2
		Nov	11	M		6	3 57		40	37 1	6 3	
3	88 Pegasus $\gamma$	Aug	29	R	0	6	10 93	5	75	34	43 2	
			30	R		6	11 11		34	43 4		
		Nov	31	R		6	10 95		34	42 8		
			6	M		6	10 95		34	44 0		
		9	M		6	10 94	34		43 3			
			13	M		6	10 93		34	44 0		
4		Oct	17	R	0	9	19 71	5	149	32	9 0	8 7
		Nov	4	M		9	20 07		32	13 7	9 0	
5		Nov	2	M	0	12	44 45	5	150	26	58 0	9 4
6	41 Piscium $\delta$	Sep	26	R	0	13	32 96	5	82	34	16 0	
7	R Andromedæ Var 1	Aug	29	R	0	16	<del>48 24</del>	5	52	10	<del>54 0</del>	9 5
			31	R		16	48 19		10	55 2	9 4	
		Oct	17	R		16	48 30		10	54 9	7 8	
		Nov	3	M		16	47 82		10	56 6	7 7	
			6	M		16	<del>48 26</del>		10	56 3	7 8	
8		Oct	10	M	0	17	34 80	5	149	35	28 0	10 0
			29	R		17	34 80		35	30 6	9 8	
		Nov	4	M		17	34 89		35	30 4	9 7	
			13	M		17	34 43		35	29 0	9 4	
9	45 Piscium	Sep	26	R	0	18	38 23	6	83	4	0 1	
		Nov	20	R		18	38 19		3	59 8		
			21	R		18	38 16		3	59 5		
10	12 Ceti	Oct	31	R	0	23	2 90	5	94	42	54 1	
		Nov	7	M		23	2 78		42	53 8		
			9	M		23	2 81		42	54 3		

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Number	Star	Date of Observation	Observer	Mean Right Ascension 1863			No of Wires	Mean Polar Distance 1863			Magnitude
				h	m	s					
10	12 Ceti	Nov 11	M	0	23	2 78		94	42	54 6	
		14	M		23	2 83		42	55 2		
		18	R		23	2 77		42	52 9		
11		Nov 23	R	0	25	18 92	5	76	9	33 2	10 5
12		Oct 10	M	0	28	50 71		89	7	55 6	9 2
		29	R		28	50 72		5	7	56 2	9 8
		30	R		28	50 65		5	7	55 8	
		31	R		28	50 61			7	54 5	9 7
		Nov 2	M		28	50 62			7	54 8	9 7
		4	M		28	50 81			7	55 9	9 5
5	M		28	50 50		7	56 1	9 4			
13		Aug 29	R	0	30	44 80		89	7	52 9	9 8
		31	R		30	41 78		5	7	56 5	9 9
		Oct 17	R		30	44 97		5	7	54 4	9 2
		29	R		30	44 87			7	54 0	9 9
		30	R		30	45 13		5	7	53 8	
		31	R		30	14 75			7	53 8	9 7
		Nov 4	M		30	44 74			7	55 6	9 6
		5	M		30	44 72			7	55 1	9 5
		6	M		30	44 60			7	53 7	9 3
7	M		30	44 77		7	53 0	9 3			
14	18 Cassiopeæ $\alpha$ Var 1	Dec 7	M	0	32	45 <sup>17</sup> 65		34	12	54 3	
		8	M		32	45 03		12	53 9		
15	1097 Lalande	Nov 3	M	0	34	32 78		89	0	17 3	8 2
		9	M		34	32 82		0	16 8	8 0	
		11	M		34	32 63		0	17 1	8 0	
		13	M		34	32 81		0	17 9	8 0	
		14	M		34	32 71		0	17 9	8 0	
		20	R		34	32 77		5	0	16 7	8 2
16	1123 Lalande	Oct 30	R	0	35	38 91		89	3	21 6	9 2
		31	R		35	38 84		3	20 8	9 1	
		Nov 11	M		35	38 91		4	3	21 5	9 0
		14	M		35	39 00		5	3	23 4	8 9

*Separate Results of Madras Meridian Circle Observations in 1863*

Number	Star	Date of Observation	Observer	Mean Right Ascension 1863			No of Wines	Mean Polar Distance 1863			Magnitude
				<i>h</i>	<i>m</i>	<i>s</i>					
16	1123 Lalande	Nov 20	R	0	35	38 88	5	89	3	21 4	9 0
		21	R		35	38 80	5		3	21 1	8 9
		23	R		35	38 86			3	22 5	8 7
		24	R		35	38 95	6		3	20 9	8 8
17	16 Ceti $\beta$	Nov 18	R	0	36	42 64		108	44	19 8	
		Dec 30	M		36	42 73			44	22 0	
18	1198 Lalande	Oct 28	R	0	38	3 46		88	56	36 3	8 7
		29	R		38	3 41	5		56	36 9	8 3
		Nov 4	M		38	3 46	3		56	38 1	8 9
		6	M		38	3 61			56	37 6	8 9
		Dec 8	M		38	3 45	5		56	37 6	8 9
		15	M		38	3 53			56	36 1	8 9
		18	R		38	3 58	4		56	36 2	9 2
		22	R		38	3 52	4		56	37 3	
		23	R		38	3 51	4		56	36 5	8 7
19	0658 W B E	Oct 17	R	0	38	34 98		82	2	31 3	9 3
		30	R		38	34 99	6		2	33 8	9 5
		31	R		38	31 85			2	31 9	9 3
		Nov 5	M		38	34 89			2	31 4	10 0
		23	R		38	35 06	5		2	32 2	9 5
		24	R		38	34 92	5		2	33 3	9 5
		Dec 18	R		38	34 98	4		2	31 7	9 7
		22	R		38	34 93	4		2	32 6	
		23	R		38	34 94	4		2	33 1	9 5
20	63 Piscum $\delta$	Aug 31	R	0	41	34 52	5	83	9	41 0	
		Nov 20	R		41	34 58			9	40 9	
21		Oct 29	R	0	41	37 12	5	89	6	55 9	9 5
		Nov 2	M		41	37 05	6		6	56 1	9 5
		Dec 7	M		41	36 97			6	54 5	9 0
		14	M		41	37 01	4		6	55 9	9 1
		16	R		41	37 00	4		6	56 2	
		17	R		41	37 04	6		6	57 1	9 5
22		Aug 29	R	0	42	6 11	5	88	49	49 7	10 0
		Oct 10	M		42	5 86			49	48 6	10 0

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Number	Star	Date of Observation		Observer	Mean Right Ascension 1863			No of Wines	Mean Polar Distance 1863			Magn.itude	
					h	m	s						
610		Oct	26	R	0	42	<del>011</del>	5	88	49	49.1	98	
			31	R		42	6.01	4		49	48.5	97	
		Nov	7	M		42	5.70			49	47.8	100	
			9	M		42	6.03			49	48.1	100	
			23	R		42	6.04		5		49	48.5	99
		Dec	15	M		42	6.09			49	46.8	100	
			18	R		42	5.96		6		49	49.2	100
	19	R		42	5.94				49	49.4			
3691	0806 W B E	Oct	26	R	0	46	<del>36.92</del>		88	50	6.3	91	
		Nov	3	M		46	36.76			50	5.6	100	
			4	M		46	36.92			50	5.5	100	
			6	M		46	36.69			50	7.7	100	
			13	M		46	36.82			50	6.7	95	
			14	M		46	36.78			50	6.8	95	
			24	R		46	36.97		5		50	5.7	96
21		Oct	1	M	0	<sup>s</sup> 47	52.11	133	47	34.4			
25	1638 Lalande	Oct	29	R	0	50	37.45		88	57	24.6	75	
			30	R		50	37.52	5		57	24.8	78	
		Nov	9	M		50	37.49			57	25.3	78	
		,	11	M		50	37.42			57	25.1	78	
			18	R		50	37.38		6		57	24.7	
		Dec	8	M		50	37.43			57	25.8	78	
	10	M		50	37.54			57	24.7	78			
26	1639 Lalande	Oct	28	R	0	50	39.25	5	88	38	55.3	92	
		Nov	2	M		50	39.48			38	57.1	89	
		,	20	R		50	39.27			38	54.7	87	
			23	R		50	39.38			38	53.7		
			28	R		50	39.51		5		38	54.2	
		Dec	7	M		50	39.30			38	54.4	89	
	14	M		50	39.16			38	55.1	89			
1979	27	271 Lacaille	Oct	9	M	0	52	<del>39.52</del>	151	26	17.1	78	
28	1784 Lalande	Oct	29	R	0	54	55.91		88	12	48.6	81	
		Nov	3	M		54	55.96			12	48.9	80	
			5	M		54	55.91			12	47.4	80	

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