
MEAN POSITIONS OF STARS

OBSERVED WITH THE

MADRAS MERIDIAN CIRCLE

IN THE YEAR

1884

REDUCED TO JANUARY 1 OF THAT YEAR

Mean Positions of Stars for 1884, January 1st.

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension.			Mean Polar Distance.			Observations.	Fraction of Year.
				h.	m.	s.	°	'	"		
1	8 Ceti	3.6	...	0	13	31.01	99	28	1.8	13	0.85
2	12 Ceti	6.2	...	0	24	7.15	94	35	55.0	2	0.00
3	16 Ceti β	2.1	...	0	37	45.99	108	37	25.8	2	0.00
4	58 Piscium	5.7	...	0	40	58.25	78	39	32.8	1	0.87
5	63 Piscium δ	4.6	...	0	42	39.77	83	2	47.6	3	0.01
6	R. P. L. 10	6.6	...	0	51	41.82	1	35	54.6	16	0.83
7	2 Ursæ Minoris	4.5	...	0	53	5.22	4	21	55.9	1	0.00
8	R. P. L. 14	6.2	...	0	56	46.76	3	28	23.5	1	0.29
9	43 Androm. β (<i>Mirach</i>)	2.2	...	1	3	14.28	54	50	40.9	11	0.76
10	R. P. L. 18	7.9	...	1	13	54.46	2	2	33.9	2	0.88
11	1 Ursæ Minoris α (<i>Polaris</i>)	2.2	...	1	16	13.01	1	18	35.8	6	0.31
12	99 Piscium η	3.7	...	1	25	16.45	75	15	8.9	1	0.00
13	Lalande 2806	8.5	...	1	26	36.22	77	26	6.9	5	0.98
14	110 Piscium ϵ	4.4	...	1	39	16.10	81	25	35.1	10	0.92
15	8 Arietis	5.2	...	1	51	0.70	72	44	57.4	2	0.02
16	13 Arietis α	2.0	...	2	0	38.02	67	5	12.5	2	0.00
17	67 Ceti	5.5	...	2	11	11.85	96	57	26.6	4	0.01
18	R. P. L. 26	8.0	...	2	27	44.64	3	27	32.5	1	0.00
19	43 Arietis σ	5.5	...	2	45	5.29	75	23	46.4	13	0.72
20	Stone 1223	7.0	...	2	52	29.77	154	28	30.3	2	0.01
21	92 Ceti α (<i>Menkar</i>)	2.7	...	2	56	12.98	86	21	59.5	2	0.02
22	57 Arietis δ	4.5	...	3	4	59.74	70	42	46.7	8	0.26
23	R. P. L. 33	5.8	...	3	5	1.34	5	30	11.9	1	0.47
24	1 Tauri ϵ , Var. 5	Var.	...	3	18	34.27	81	22	48.9	6	0.04
25	R. P. L. 34	5.9	...	3	28	39.17	3	43	18.3	3	0.48
26	25 Tauri η (<i>Aleyone</i>)	3.0	...	3	40	35.33	66	15	18.9	2	0.01
27	34 Eridani γ^1	3.0	...	3	52	37.02	103	50	23.1	6	0.03
28	R. P. L. 35	6.7	...	4	0	30.80	4	45	8.0	4	0.04
29	74 Tauri ϵ	3.7	...	4	21	50.50	71	4	40.9	3	0.02
30	87 Tauri α (<i>Aldebaran</i>)	1.0	...	4	29	15.78	73	43	29.7	3	0.03
31	19 Orionis β (<i>Rigel</i>)	0.3	...	5	8	57.81	98	20	13.8	1	0.02
32	112 Tauri β	1.9	...	5	18	57.45	61	29	34.1	1	0.02
33	R. P. L. 40	6.0	...	5	24	55.82	4	51	56.5	3	0.05
34	34 Orionis δ , Var. 1	Var.	...	5	26	4.86	90	23	7.7	2	0.07
35	R. P. L. 41	7.5	...	5	29	32.98	4	44	55.9	1	0.06

6.—Groombridge 144.
18.—Carrington 352.
28.—Groombridge 750.

8.—Groombridge 195.
23.—Groombridge 595.
33.—Groombridge 944.

10.—Carrington 183
25.—Groombridge 642.

Observed with the Madras Meridian Circle in that Year.

Number.	Star.	In Right Ascension.			In Polar Distance.			Authority.
		Annual Precession.	Secular Variation.	Proper Motion.	Annual Precession.	Secular Variation.	Proper Motion.	
1	8 Ceti ϵ ...	+ 3.0593	- 0.0023	- 0.003	- 20.019	+ 0.034	+ 0.03	14
2	12 Ceti ...	+ 3.0611	+ 0.0008	- 0.000	- 19.943	+ 0.055	+ 0.01	38
3	16 Ceti β ...	+ 2.9985	- 0.0055	+ 0.015	- 19.783	+ 0.080	- 0.03	70
4	58 Piscium ...	+ 3.1201	+ 0.0101	+ 0.002	- 19.734	+ 0.087	+ 0.01	76
5	63 Piscium δ ...	+ 3.1025	+ 0.0079	+ 0.004	- 19.708	+ 0.091	+ 0.04	85
6	R. P. L. 10 ...	+ 13.7867	+ 8.3218	+ 0.153	- 19.546	+ 0.458	+ 0.03	65
7	2 Ursæ Minoris ...	+ 7.0026	+ 1.3804	+ 0.068	- 19.518	+ 0.245	+ 0.01	92
8	R. P. L. 14 ...	+ 8.4754	+ 2.1579	+ 0.054	- 19.440	+ 0.311	+ 0.02	95
9	43 Andromedæ β ...	+ 3.3275	+ 0.0286	+ 0.014	- 19.295	+ 0.139	+ 0.03	140
10	R. P. L. 18 ...	+ 14.0492	+ 6.9011	...	- 19.020	+ 0.697	...	...
11	1 Ursæ Minoris α ...	+ 22.1581	+ 16.5716	+ 0.108	- 18.955	+ 1.063	+ 0.00	102
12	99 Piscium η ...	+ 3.2003	+ 0.0141	- 0.000	- 18.681	+ 0.177	+ 0.00	203
13	Lalande 2806 ...	+ 3.1822	+ 0.0129	...	- 18.639	+ 0.178	...	...
14	110 Piscium θ ...	+ 3.1570	+ 0.0111	+ 0.003	- 18.202	+ 0.200	- 0.06	232
15	8 Arietis ϵ ...	+ 3.2656	+ 0.0163	+ 0.001	- 17.747	+ 0.228	+ 0.02	262
16	13 Arietis α ...	+ 3.3563	+ 0.0203	+ 0.013	- 17.339	+ 0.252	+ 0.13	287
17	67 Ceti ...	+ 2.9840	+ 0.0049	+ 0.004	- 16.856	+ 0.242	+ 0.11	321
18	R. P. L. 26 ...	+ 16.3633	+ 3.8148	...	- 16.029	+ 1.441	...	...
19	43 Arietis σ ...	+ 3.3022	+ 0.0150	- 0.000	- 15.072	+ 0.323	+ 0.04	400
20	Stone 1223 ...	+ 1.1585	+ 0.0206	...	- 14.637	+ 0.121	..	...
21	92 Ceti α ...	+ 3.1313	+ 0.0098	- 0.003	- 14.415	+ 0.323	+ 0.07	428
22	57 Arietis δ ...	+ 3.4103	+ 0.0171	+ 0.010	- 13.807	+ 0.364	- 0.01	446
23	R. P. L. 33 ...	+ 13.0968	+ 1.6177	+ 0.044	- 13.866	+ 1.386	+ 0.12	402
24	1 Tauri θ ...	+ 3.2268	+ 0.0115	- 0.005	- 12.986	+ 0.364	+ 0.07	477
25	R. P. L. 34 ...	+ 19.3046	+ 3.2595	+ 0.136	- 12.301	+ 2.228	+ 0.06	Gr.
26	25 Tauri η ...	+ 3.5550	+ 0.0177	- 0.000	- 11.460	+ 0.430	+ 0.04	521
27	34 Eridani γ^1 ...	+ 2.7926	+ 0.0047	+ 0.003	- 10.581	+ 0.351	+ 0.11	546
28	R. P. L. 35 ...	+ 17.0176	+ 1.8051	+ 0.002	- 9.988	+ 2.156	- 0.02	750
29	74 Tauri ϵ ...	+ 3.4893	+ 0.0120	+ 0.007	- 8.329	+ 0.446	+ 0.03	609
30	87 Tauri α ...	+ 3.4324	+ 0.0105	+ 0.004	- 7.734	+ 0.464	+ 0.18	630
31	19 Orionis β ...	+ 2.8813	+ 0.0040	- 0.001	- 4.429	+ 0.412	- 0.01	736
32	112 Tauri β ...	+ 3.7869	+ 0.0082	+ 0.001	- 3.572	+ 0.545	+ 0.18	756
33	R. P. L. 40 ...	+ 18.5985	+ 0.5911	...	- 3.057	+ 2.681	...	...
34	34 Orionis δ ...	+ 3.0634	+ 0.0038	- 0.001	- 2.957	+ 0.443	+ 0.01	787
35	R. P. L. 41 ...	+ 19.0231	+ 0.5390	...	- 2.657	+ 2.751

Mean Positions of Stars for 1884, January 1st.

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				<i>h.</i>	<i>m.</i>	<i>s.</i>	<i>°</i>	<i>'</i>	<i>"</i>		
36	46 Orionis ϵ ...	1.8	...	5	30	19.76	91	16	38.9	1	0.06
37	58 Orionis α , Var. 2 ...	var.	...	5	48	53.47	82	36	57.2	9	0.07
38	R. P. L. 43 ...	6.6	...	6	0	55.51	3	14	17.6	3	0.35
39	13 Geminorum μ ...	3.2	...	6	15	56.51	67	25	42.8	1	0.08
40	... ..	8.0	1	6	36	52.07	130	22	0.1	1	0.06
41	51 Cephei (<i>Hev.</i>) ...	5.3	...	6	45	46.70	2	46	29.9	8	0.34
42	... ..	10.0	1	6	52	58.09	152	55	52.5	1	0.08
43	21 Canis Majoris ϵ ...	1.5	...	6	54	4.01	118	48	53.4	1	0.07
44	28 Canis Majoris γ ...	4.1	...	6	58	30.73	105	27	44.5	1	0.06
45	... ..	9.0	1	7	1	47.71	60	51	51.2	1	0.06
46	10 Canis Min. α (<i>Procyon</i>)	0.5	...	7	33	13.74	84	28	42.5	1	0.08
47	R. P. L. 45 ...	7.2	...	7	39	54.30	1	1	33.0	8	0.75
48	ξ Argus ...	3.4	...	7	44	24.85	114	34	8.6	10	0.12
49	R. P. L. 48 ...	7.4	...	7	47	5.77	3	58	15.7	4	0.72
50	R. P. L. 49 ...	6.7	...	7	49	0.57	5	36	39.6	5	0.47
51	15 Argus ρ ...	2.9	...	8	2	36.13	113	58	13.5	9	0.11
52	R. P. L. 53 ...	7.7	...	8	20	55.17	4	32	26.1	2	0.71
53	33 Canori η ...	5.5	...	8	26	0.09	69	9	55.4	2	0.10
54	R. P. L. 55 ...	7.5	...	8	31	45.28	5	41	3.7	2	0.75
55	11 Hydræ ϵ ...	3.6	...	8	40	37.96	83	9	21.8	2	0.10
56	R. P. L. 60 ...	7.0	...	8	50	57.55	5	21	22.5	5	0.47
57	65 Cancri α ...	4.3	...	8	52	8.54	77	41	38.1	1	0.11
58	... ..	9.0	1	8	54	40.51	132 59	59	55.8	1	0.10
59	76 Cancri κ ...	5.0	...	9	1	27.81	78	51	57.0	1	0.11
60	83 Cancri ...	6.6	...	9	12	30.47	71	48	11.0	2	0.12
61	R. P. L. 62 ...	8.1	...	9	21	48.66	2	21	45.3	4	0.76
62	80 Hydræ α , Var. 2 ...	var.	...	9	21	53.25	98	9	22.4	2	0.13
63	2 Leonis ω ...	5.6	...	9	22	14.70	80	26	16.3	1	0.11
64	Lacaille 3980 ...	8.8	...	9	35	5.72	148	39	5.2	1	0.10
65	R. P. L. 69 ...	7.9	...	9	39	9.63	2	52	12.1	2	0.75
66	17 Leonis ϵ ...	3.1	...	9	39	16.14	65	41	32.3	2	0.15
67	R. P. L. 70 ...	5.0	...	9	49	50.03	5	31	24.6	5	0.24
68	32 Leonis α (<i>Regulus</i>) ...	1.4	...	10	2	11.61	77	27	55.7	3	0.20
69	R. P. L. 72 ...	6.0	...	10	12	36.74	5	9	36.0	6	0.44
70	41 Leonis γ^1 ...	2.5	...	10	13	34.55	69	34	19.4	3	0.25

38.—Groombridge 1004.
49.—Groombridge 1359.
67.—Carrington 1451.

45.—Comparison star for Isis in 1866.
56.—Carrington 1286.
69.—Groombridge 1620.

47.—Groombridge 1119.
65.—Carrington 1418.

Observed with the Madras Meridian Circle in that Year.

Number.	Star.	In Right Ascension.			In Polar Distance.			Authority.
		Annual Precession.	Secular Variation.	Proper Motion.	Annual Precession.	Secular Variation.	Proper Motion.	
36	46 Orionis ϵ ...	+ 3.0428	+ 0.0035	- 0.002	- 2.589	+ 0.441	- 0.01	809
37	58 Orionis α ...	+ 3.2454	+ 0.0027	+ 0.001	- 0.971	+ 0.473	- 0.02	860
38	R. P. L. 48 ...	+ 26.7013	- 0.0432	...	+ 0.081	+ 3.894	...	...
39	13 Geminorum μ ...	+ 3.6268	- 0.0003	+ 0.004	+ 1.303	+ 0.527	+ 0.10	929
40	... ..	+ 1.9505	+ 0.0014	...	+ 3.213	+ 0.280	...	...
41	51 Cephei (<i>Hev.</i>) ...	+ 30.1062	- 2.2868	- 0.040	+ 3.979	+ 4.301	+ 0.05	Gr.
42	... ..	+ 0.5261	- 0.0086	...	+ 4.594	+ 0.073	...	...
43	21 Canis Majoris ϵ ...	+ 2.3573	+ 0.0018	- 0.001	+ 4.687	+ 0.332	- 0.02	1023
44	23 Canis Majoris γ ...	+ 2.7145	+ 0.0005	- 0.002	+ 5.064	+ 0.381	+ 0.00	1028
45	... ..	+ 3.7907	- 0.0081	...	+ 5.342	+ 0.532	...	...
46	10 Canis Minoris α ...	+ 3.1911	- 0.0041	- 0.047	+ 7.935	+ 0.425	+ 1.03	1106
47	R. P. L. 45 ...	+ 70.7557	- 31.7803	...	+ 8.488	+ 9.350	...	...
48	ξ Argûs ...	+ 2.5235	+ 0.0008	- 0.001	+ 8.823	+ 0.327	- 0.02	1132
49	R. P. L. 48 ...	+ 20.2656	- 2.3745	...	+ 9.034	+ 2.635	...	...
50	R. P. L. 49 ...	+ 15.1693	- 1.2443	...	+ 9.183	+ 1.963	...	...
51	15 Argûs ρ ...	+ 2.5610	+ 0.0009	- 0.008	+ 10.223	+ 0.318	- 0.06	1170
52	R. P. L. 53 ...	+ 16.8237	- 2.1694	...	+ 11.568	+ 1.909	...	...
53	33 Cancri η ...	+ 3.4814	- 0.0120	- 0.004	+ 11.928	+ 0.404	+ 0.05	1207
54	R. P. L. 55 ...	+ 13.6624	- 1.4650	...	+ 12.329	+ 1.566	...	...
55	11 Hydrae ϵ ...	+ 3.1950	- 0.0071	- 0.014	+ 12.933	+ 0.351	+ 0.02	1243
56	R. P. L. 60 ...	+ 13.5446	- 1.6908	...	+ 13.610	+ 1.445	...	...
57	65 Cancri α ...	+ 3.2855	- 0.0098	+ 0.001	+ 13.685	+ 0.345	+ 0.02	1269
58	... ..	+ 2.1706	+ 0.0037	...	+ 13.847	+ 0.224	...	...
59	76 Cancri κ ...	+ 3.2573	- 0.0093	- 0.003	+ 14.270	+ 0.329	- 0.01	1287
60	83 Cancri ...	+ 3.3657	- 0.0134	- 0.009	+ 14.932	+ 0.323	+ 0.14	1309
61	R. P. L. 62 ...	+ 23.7048	- 8.0701	...	+ 15.463	+ 2.193	...	...
62	30 Hydrae α ...	+ 2.9504	- 0.0013	- 0.002	+ 15.468	+ 0.268	- 0.05	1330
63	2 Leonis ω ...	+ 3.2155	- 0.0088	+ 0.002	+ 15.487	+ 0.292	- 0.02	1328
64	Lacaille 3980 ...	+ 1.7754	+ 0.0024	...	+ 16.177	+ 0.147	...	...
65	R. P. L. 69 ...	+ 18.4483	- 5.3716	...	+ 16.385	+ 1.544	...	...
66	17 Leonis ϵ ...	+ 3.4203	- 0.0180	- 0.004	+ 16.390	+ 0.282	+ 0.01	1368
67	R. P. L. 70 ...	+ 10.5091	- 1.5283	...	+ 16.905	+ 0.817	...	...
68	32 Leonis α ...	+ 3.2185	- 0.0102	- 0.018	+ 17.462	+ 0.225	- 0.02	1406
69	R. P. L. 72 ...	+ 9.7581	- 1.5862	- 0.096	+ 17.892	+ 0.635	- 0.04	1399
70	41 Leonis γ ...	+ 3.2954	- 0.0148	+ 0.021	+ 17.930	+ 0.208	+ 0.14	1432

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				h.	m.	s.	°	'	"		
71	W. B. E. X. 836	9.0	5	10	21	7.71	92	27	41.2	5	0.30
72	7.8	5	10	21	42.22	92	55	39.0	5	0.31
73	47 Leonis ρ	4.0	...	10	26	42.13	80	5	47.6	1	0.29
74	Yarnall 4465	5.5	...	10	37	6.39	66	12	16.6	5	0.33
75	.. ..	9.0	4	10	39	7.16	65	48	40.0	4	0.30
76	... ..	9.0	5	10	41	36.86	66	3	0.3	5	0.31
77	53 Leonis λ	5.3	...	10	43	9.55	78	50	26.0	1	0.29
78	68 Leonis χ	4.7	...	10	59	1.98	82	2	12.5	2	0.29
79	R. P. L. 79	7.7	...	11	0	32.98	1	43	18.0	7	0.76
80	68 Leonis δ	2.8	...	11	7	56.32	68	50	27.7	2	0.29
81	84 Leonis τ	5.1	...	11	21	58.27	86	30	17.2	10	0.32
82	94 Leonis β	2.2	...	11	43	8.59	74	46	45.7	1	0.29
83	R. P. L. 87	8.0	...	11	53	35.40	2	21	33.1	5	0.87
84	8 Virginis π	4.4	...	11	54	55.71	82	44	18.1	10	0.32
85	... ..	9.0	5	11	58	39.63	86	44	2.1	5	0.32
86	R. P. L. 89	6.3	...	11	58	51.51	3	46	11.0	6	0.49
87	2 Corvi ϵ	3.1	...	12	4	9.43	111	58	25.6	1	0.29
88	R. P. L. 92	6.7	...	12	13	27.51	2	55	9.1	3	0.67
89	15 Virginis η	4.0	...	12	13	58.21	90	1	19.8	3	0.30
90	R. P. L. 93	6.7	...	12	14	21.69	1	39	25.4	2	0.59
91	Lalande 23300	8.5	...	12	21	49.85	91	44	15.0	5	0.29
92	R. P. L. 97	7.2	...	12	37	34.07	5	43	8.3	1	0.82
93	R. P. L. 99	5.6	...	12	48	16.71	5	57	22.5	2	0.29
94	47 Virginis ϵ	3.0	...	12	56	24.18	73	25	0.0	10	0.32
95	R. P. L. 100	8.0	...	13	0	23.40	3	29	29.0	5	0.94
96	R. P. L. 101	7.5	...	13	6	57.29	1	43	41.5	4	0.49
97	67 Virginis α (<i>Spica</i>)	1.2	...	13	19	4.82	100	33	18.2	1	0.30
98	R. P. L. 103	7.0	...	13	19	20.11	4	38	20.8	9	0.58
99	8 Bootis η	2.9	...	13	49	9.81	71	1	13.0	1	0.30
100	93 Virginis τ	4.3	...	13	55	44.70	87	53	35.0	2	0.47
101	R. P. L. 108	7.8	...	14	1	21.69	3	41	10.2	2	0.48
102	16 Bootis α (<i>Arcturus</i>)	0.0	...	14	10	22.21	70	12	45.6	3	0.47
103	25 Bootis ρ	3.6	...	14	26	49.78	52.9	7	5.7	1	0.47
104	36 Bootis ϵ^2 (<i>Mirac</i>)	2.6	...	14	39	55.17	62	26	9.4	4	0.47
105	9 Libræ α^2	3.0	...	14	44	27.81	105	33	27.9	3	0.48

71—72—74—75—76.—Comparison stars for Sylvia in 1884.
 85.—Comparison star for Camilla in 1884.
 88.—Groombridge 1871.
 91.—Comparison star for Hestia in 1884.
 96.—Groombridge 2006.
 101.—Groombridge 2099.

79.—Carrington 1639.
 86.—Groombridge 1850.
 90.—Groombridge 1884.
 98.—Groombridge 1940.
 98.—Groombridge 2007.

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		Annual Precession.	Secular Variation.	Proper Motion.	Annual Precession.	Secular Variation.	Proper Motion.	
71	W. B. K. N. 336	+ 3.0483	- 0.0020	...	+ 18.216	+ 0.179	...	...
72	...	+ 3.0440	- 0.0016	...	+ 18.244	+ 0.177	...	...
73	47 Leonis ρ	+ 3.1648	- 0.0080	- 0.001	+ 18.415	+ 0.176	- 0.01	1467
74	Yarnall 4465	+ 3.2810	- 0.0166	...	+ 18.757	+ 0.162	...	...
75	...	+ 3.2799	- 0.0168	...	+ 18.817	+ 0.158	...	...
76	...	+ 3.2715	- 0.0164	...	+ 18.898	+ 0.153	...	...
77	53 Leonis l	+ 3.1592	- 0.0080	- 0.002	+ 18.937	+ 0.145	+ 0.02	1500
78	63 Leonis χ	+ 3.1215	- 0.0056	- 0.026	+ 19.348	+ 0.113	+ 0.02	1535
79	R. P. L. 79	+ 1.44261	- 8.0284	...	+ 19.383	+ 0.532	...	...
80	68 Leonis δ	+ 3.1889	- 0.0132	+ 0.010	+ 19.539	+ 0.098	+ 0.12	1546
81	81 Leonis τ	+ 3.0859	- 0.0020	- 0.001	+ 19.778	+ 0.086	+ 0.01	1570
82	94 Leonis β	+ 3.0991	- 0.0074	- 0.036	+ 19.909	+ 0.025	+ 0.10	1605
83	R. P. L. 87	+ 3.9799	- 1.1518	..	+ 20.040	+ 0.007	...	...
84	8 Virginis π	+ 3.0761	- 0.0023	- 0.003	+ 20.048	+ 0.002	+ 0.02	1618
85	...	+ 3.0723	+ 0.0001	...	+ 20.054	- 0.005	...	...
86	R. P. L. 89	+ 3.1735	- 0.4815	...	+ 20.053	- 0.007	...	...
87	2 Corvi ϵ	+ 3.0822	+ 0.0142	- 0.006	+ 20.051	- 0.016	- 0.02	1626
88	R. P. L. 92	+ 1.5341	+ 0.0043	+ 0.285	+ 20.019	- 0.022	+ 0.02	1656
89	15 Virginis η	+ 3.0724	+ 0.0027	- 0.006	+ 20.016	- 0.035	+ 0.02	1647
90	R. P. L. 93	+ 0.1787	+ 0.9144	- 0.090	+ 20.014	- 0.011	- 0.08	1672
91	Lalande 23300	+ 3.0763	+ 0.0040	...	+ 19.962	- 0.051	...	...
92	R. P. L. 97	+ 0.8939	+ 0.1280	...	+ 19.785	- 0.030	...	...
93	R. P. L. 99	+ 0.3931	+ 0.2141	- 0.020	+ 19.610	- 0.020	- 0.02	1731
94	47 Virginis ϵ	+ 3.0056	- 0.0007	- 0.019	+ 19.450	- 0.114	- 0.03	1735
95	R. P. L. 100	- 2.6354	+ 1.2911	...	+ 19.361	+ 0.092	..	...
96	R. P. L. 101	- 9.6885	+ 6.9738	...	+ 19.204	+ 0.390	...	...
97	67 Virginis α	+ 3.1566	+ 0.0116	- 0.004	+ 18.871	- 0.163	+ 0.02	1774
98	R. P. L. 103	- 2.5175	+ 0.9222	...	+ 18.864	+ 0.117	...	...
99	8 Bootis η	+ 2.8615	- 0.0006	- 0.005	+ 17.821	- 0.199	+ 0.34	1821
100	93 Virginis τ	+ 3.0486	+ 0.0064	- 0.001	+ 17.550	- 0.222	+ 0.03	1829
101	R. P. L. 108	- 7.4102	+ 2.3425	...	+ 17.307	+ 0.539	...	...
102	16 Bootis α	+ 2.8131	+ 0.0014	- 0.080	+ 16.895	- 0.227	+ 1.98	1847
103	25 Bootis ρ	+ 2.5945	- 0.0015	- 0.009	+ 16.077	- 0.233	- 0.13	1869
104	36 Bootis ϵ^2	+ 2.6240	- 0.0001	- 0.004	+ 15.366	- 0.252	- 0.00	1890
105	9 Libræ α^2	+ 3.3171	+ 0.0154	- 0.009	+ 15.103	- 0.324	+ 0.07	1894

Mean Positions of Stars for 1884, January 1st.

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension.			Mean Polar Distance.			Observations.	Fraction of year.
				<i>h.</i>	<i>m.</i>	<i>s.</i>	<i>°</i>	<i>'</i>	<i>"</i>		
106	T Tringuli Australis, Var.	var.	...	14	58	57.26	158	16	20.9	2	0.48
107	R. P. L. 111	7.0	...	15	3	27.20	5	36	0.7	7	0.37
108	27 Libræ β	2.7	...	15	10	45.85	98	57	14.4	3	0.48
109	Redhill 2293	8.0	...	15	11	46.31	4	25	39.8	1	0.91
110	R. P. L. 114	6.9	...	15	15	0.11	2	19	21.5	2	0.54
111	5 Cor. Bor. α (<i>Alpheta</i>) ...	2.4	...	15	29	46.52	62	53	38.7	7	0.54
112	24 Serpentis α	2.7	..	15	38	33.30	83	12	31.6	10	0.54
113	R. P. L. 115	7.0	...	15	45	12.50	4	47	32.4	1	0.47
114	16 Ursæ Minoris ζ	4.5	...	15	43	13.52	11	50	55.6	1	0.47
115	8 Scorpii β^1	3.0	...	15	58	41.60	109	29	11.6	5	0.50
116	R. P. L. 116	7.0	...	16	0	35.25	4	22	2.6	2	0.25
117	1 Ophiuchi δ	2.8	...	16	8	15.93	93	23	39.6	2	0.47
118	21 Scorpii α (<i>Antares</i>) ...	1.1	...	16	22	17.75	116	10	24.6	2	0.47
119	40 Herculis ζ	3.1	...	16	36	54.71	58	11	11.4	3	0.50
120	22 Ursæ Minoris ϵ	4.5	...	16	57	53.10	7	46	30.4	1	0.02
121	R. P. L. 118	8.0	...	17	1	48.75	5	8	39.2	1	0.53
122	G. Z. C. XVII. 421	9.4	...	17	7	0.73	130	55	11.6	1	0.64
123	64 Herculis α^1 , Var. 1 ...	var.	...	17	9	21.46	75	28	33.9	3	0.54
124	... ..	9.0	5	17	14	42.42	126	23	40.2	5	0.64
125	Taylor 8070	6.6	...	17	21	5.23	126	40	46.3	5	0.64
126	35 Scorpii λ	1.7	...	17	25	44.05	127	1	3.8	4	0.65
127	Stone 9578	7.8	...	17	28	15.00	146	44	40.4	2	0.64
128	55 Ophiuchi α	2.2	...	17	29	32.99	77	21	17.6	1	0.47
129	R. P. L. 120	7.3	...	17	31	35.51	5	17	25.9	2	0.51
130	... ..	7.5	5	17	34	30.34	125	44	22.4	5	0.69
131	60 Ophiuchi β	2.9	...	17	37	44.48	85	22	58.7	10	0.65
132	86 Herculis μ	3.5	...	17	41	55.08	62	12	38.2	4	0.56
133	... ..	8.3	2	17	42	56.44	143	28	19.8	2	0.58
134	72 Ophiuchi	3.8	...	18	1	50.98	80	27	5.5	10	0.65
135	Taylor 8410	5.7	...	18	4	38.65	113	43	23.6	5	0.57
136	13 Sagittarii μ^1	4.1	...	18	6	49.47	111	5	16.3	1	0.55
137	Stone 9951	6.4	...	18	8	27.26	153	55	4.1	5	0.61
138	23 Ursæ Minoris δ	4.3	...	18	9	44.43	3	23	24.8	9	0.07
139	Taylor 8440	4.4	...	18	12	32.15	151	32	40.2	5	0.59
140	24 Ursæ Minoris	5.9	...	18	13	43.65	3	0	33.8	9	0.54

107.—Groombridge 2213.

110.—Groombridge 2283.

113.—Carrington 2380.

116.—Carrington 2423.

124—125—130.—Comparison stars for comet in 1884.

Observed with the Madras Meridian Circle in that Year.

Number.	Star.	In Right Ascension.			In Polar Distance.			Authority.
		Annual Precession.	Secular Variation.	Proper Motion.	Annual Precession.	Secular Variation.	Proper Motion.	
		"	"	"	"	"	"	
106	T Trianguli Austr. ...	+ 5.4337	+ 0.1423	...	+ 14.245	- 0.561	...	...
107	R. P. L. 111 ...	- 6.7126	+ 1.1515	...	+ 13.965	+ 0.696	...	...
108	27 Libræ β ...	+ 3.2281	+ 0.0117	- 0.008	+ 13.498	- 0.353	+ 0.02	1934
109	Bedhill 2293 ...	- 9.7464	+ 1.9109	...	+ 13.433	+ 1.049	...	...
110	R. P. L. 114 ...	- 21.7082	+ 7.3670	...	+ 13.222	+ 2.374	...	...
111	5 Corona Borealis α ...	+ 2.5299	+ 0.0023	+ 0.009	+ 12.223	- 0.297	+ 0.09	1973
112	24 Serpentis α ...	+ 2.9426	+ 0.0062	+ 0.008	+ 11.606	- 0.354	- 0.06	1990
113	R. P. L. 115 ...	- 10.1949	+ 1.5232	...	+ 11.126	+ 0.119	...	...
114	16 Ursæ Minoris ζ ...	- 2.2748	+ 0.2031	+ 0.003	+ 10.906	+ 0.276	+ 0.00	2041
115	8 Scorpii β^1 ...	+ 3.4807	+ 0.0142	- 0.003	+ 10.125	- 0.441	+ 0.03	2034
116	R. P. L. 116 ...	- 12.1097	+ 1.7435	...	+ 9.982	+ 1.528	...	...
117	1 Ophiuchi δ ...	+ 3.1424	+ 0.0081	- 0.005	+ 9.394	- 0.408	+ 0.14	2065
118	21 Scorpii α ...	+ 3.6707	+ 0.0150	- 0.002	+ 8.293	- 0.491	+ 0.03	2001
119	40 Herculis ζ ...	+ 2.2970	+ 0.0033	- 0.036	+ 7.112	- 0.316	- 0.41	2127
120	22 Ursæ Minoris ϵ ...	- 0.3618	+ 0.3105	+ 0.009	+ 5.369	+ 0.892	+ 0.00	2201
121	R. P. L. 118 ...	- 11.3019	+ 0.7079	...	+ 5.037	+ 1.593	...	...
122	G. Z. C. XVII. 421 ...	+ 4.2006	+ 0.0149	...	+ 4.586	- 0.597	...	...
123	64 Herculis α^1 ...	+ 2.7345	+ 0.0035	- 0.002	+ 4.395	- 0.391	- 0.03	2183
124	... ..	+ 4.0387	+ 0.0112	...	+ 3.938	- 0.579	...	...
125	Taylor 8070 ...	+ 4.0539	+ 0.0100	...	+ 3.389	- 0.583	...	...
126	35 Scorpii λ ...	+ 4.0693	+ 0.0090	- 0.001	+ 2.976	- 0.588	+ 0.05	2210
127	Stone 9578 ...	+ 5.0915	+ 0.0176	...	+ 2.770	- 0.736	...	...
128	55 Ophiuchi α ...	+ 2.7751	+ 0.0030	+ 0.007	+ 2.657	- 0.402	+ 0.22	2218
129	R. P. L. 120 ...	- 11.2544	+ 0.3418	...	+ 2.479	+ 1.628	...	...
130	... ..	+ 4.0285	+ 0.0069	...	+ 2.227	- 0.585	...	...
131	60 Ophiuchi β ...	+ 2.9650	+ 0.0030	- 0.004	+ 1.944	- 0.431	- 0.17	2220
132	86 Herculis μ ...	+ 2.3609	+ 0.0025	- 0.024	+ 1.580	- 0.346	+ 0.75	2237
133	... ..	+ 4.8723	+ 0.0089	...	+ 1.402	- 0.709	...	...
134	72 Ophiuchi ...	+ 2.8475	+ 0.0019	- 0.006	- 0.161	- 0.415	- 0.09	2275
135	Taylor 8410 ...	+ 3.6598	+ 0.0010	...	- 0.406	- 0.534	...	...
136	13 Sagittarii μ^1 ...	+ 3.5877	+ 0.0009	- 0.001	- 0.597	- 0.523	- 0.00	2284
137	Stone 9951 ...	+ 5.8016	- 0.0053	...	- 0.739	- 0.814	...	...
138	23 Ursæ Minoris δ ...	- 19.4754	- 0.2819	+ 0.026	- 0.852	+ 2.838	- 0.04	2395
139	Taylor 8440 ...	+ 5.5356	- 0.0072	- 0.003	- 1.096	- 0.806	0.00	Stone
140	24 Ursæ Minoris ...	- 22.3111	- 0.5148	+ 0.067	- 1.201	+ 3.247	+ 0.02	2417

Mean Positions of Stars for 1884, January 1st.

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension.			Mean Polar Distance.			Observations.	Fraction of Year.
				h.	m.	s.	°	'	"		
141	Taylor 8454	6.0	...	18	15	1.34	126	43	19.5	5	0.57
142	Stone 10042	6.2	...	18	20	24.43	119	53	8.2	5	0.57
143	22 Sagittarii λ	3.1	...	18	20	48.85	115	29	2.1	2	0.59
144	Taylor 8520	6.7	...	18	25	11.35	142	58	27.4	4	0.57
145	Stone 10137	6.9	...	18	31	2.41	154	44	44.7	5	0.61
146	3 Lyræ α (<i>Vega</i>)	0.2	...	18	33	0.47	51	19	23.7	6	0.58
147	Stone 10173	6.5	...	18	34	37.14	151	12	23.6	5	0.64
148	Taylor 8603	6.8	...	18	37	59.69	140	12	45.0	5	0.58
149	η^1 Coronæ Australis	5.7	...	18	40	28.14	133	48	15.9	5	0.60
150	... ..	8.0	2	18	43	52.86	125	30	56.7	2	0.63
151	10 Lyræ β , Var. 1... ..	3.6	...	18	45	47.71	56	46	17.1	4	0.59
152	... ..	9.5	4	18	52	19.12	132	56	52.8	4	0.62
153	R. P. L. 131	6.5	...	18	52	43.72	3	26	19.6	6	0.69
154	... ..	8.6	3	18	53	58.88	128	6	50.7	3	0.59
155	Stone 10351	6.1	...	18	55	22.59	128	25	7.7	1	0.56
156	Stone 10391	7.8	...	19	0	37.26	132	36	15.2	2	0.58
157	Stone 10399	7.5	...	19	1	41.55	146	29	31.5	5	0.63
158	Stone 10404	6.2	...	19	1	47.22	132	4	28.3	5	0.59
159	Stone 10428	6.7	...	19	5	42.95	155	25	30.6	5	0.64
160	... ..	9.5	2	19	10	17.76	130	46	28.1	2	0.58
161	Stone 10465	5.9	...	19	11	58.55	125	37	52.5	2	0.55
162	25 Aquilæ ω	5.1	...	19	12	22.31	78	36	45.5	1	0.56
163	Stone 10487	7.0	...	19	14	18.07	119	49	16.5 ^{12.2}	1	0.58
164	40 Sagittarii χ^3	5.9	...	19	18	28.30	114	11	18.8	3	0.57
165	30 Aquilæ δ	3.5	...	19	19	38.93	87	6	55.6	2	0.58
166	... ..	9.0	2	19	26	3.06	146	54	53.7	1	0.69
167	Taylor 8982	6.3	...	19	28	40.08	148	14	17.8	3	0.59
168	Stone 10598	6.8	...	19	32	1.43	129	41	38.4	3	0.57
169	... ..	7.3	4	19	33	29.45	126	35	51.7	4	0.62
170	Stone 10624	7.2	...	19	36	25.79	131	52	59.1	2	0.63
171	Stone 10643	6.6	...	19	39	53.12	143	10	13.0	4	0.63
172	λ Ursæ Minoris	6.5	...	19	39	57.71	1	2	48.8	5	0.38
173	50 Aquilæ γ	2.8	...	19	40	44.60	79	40	6.2	4	0.58
174	53 Aquilæ α (<i>Altair</i>)	1.0	...	19	45	7.41	81	26	13.1	3	0.60
175	60 Aquilæ β	4.0	...	19	49	36.90	83	52	55.1	1	0.61

Observed with the Madras Meridian Circle in that Year.

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		Annual Precession.	Secular Variation.	Proper Motion.	Annual Precession.	Secular Variation.	Proper Motion.	
		"	"	"	"	"	"	
141	Taylor 8454 ...	+ 4.0676	- 0.0017	...	- 1.314	- 0.591	...	...
142	Stone 10042 ..	+ 3.8377	- 0.0018	...	- 1.783	- 0.557	...	...
143	22 Sagittarii λ ...	+ 3.7070	- 0.0013	- 0.005	- 1.818	- 0.537	+ 0.20	2310
144	Taylor 8520 ..	+ 4.8342	- 0.0093	...	- 2.200	- 0.701	...	...
145	Stone 10137 ...	+ 5.8805	- 0.0240	...	- 2.706	- 0.850	...	...
146	3 Lyrae α ...	+ 2.6133	+ 0.0016	+ 0.017	- 2.878	- 0.290	- 0.30	2341
147	Stone 10173 ...	+ 5.4772	- 0.0216	...	- 3.018	- 0.790	...	...
148	Taylor 8603 ...	+ 4.6558	- 0.0127	...	- 3.300	- 0.670	...	...
149	η^1 Corona Australis..	+ 4.3346	- 0.0098	...	- 3.523	- 0.622	...	...
150	... ..	+ 4.0091	- 0.0073	...	- 3.817	- 0.573	...	...
151	10 Lyrae β ...	+ 2.2140	+ 0.0015	- 0.001	- 3.980	- 0.315	- 0.02	2369
152	... ..	+ 4.2845	- 0.0126	...	- 4.539	- 0.607	...	...
153	R. P. L. 131 ...	- 18.5891	- 1.4722	...	- 4.573	+ 2.641	...	...
154	... ..	+ 4.0922	- 0.0104	...	- 4.680	- 0.579	...	...
155	Stone 10351 ...	+ 4.1019	- 0.0109	...	- 4.798	- 0.579	...	...
156	Stone 10391 ...	+ 4.2592	- 0.0145	...	- 5.243	- 0.598	...	...
157	Stone 10399 ...	+ 5.0189	- 0.0291	...	- 5.333	- 0.705	...	...
158	Stone 10404 ...	+ 4.2356	- 0.0144	...	- 5.341	- 0.594	...	...
159	Stone 10428 ...	+ 5.8763	- 0.0544	...	- 5.672	- 0.822	...	...
160	... ..	+ 4.1715	- 0.0155	...	- 6.055	- 0.574	...	...
161	Stone 10465 ...	+ 3.9838	- 0.0127	...	- 6.196	- 0.550	...	...
162	25 Aquilae ω ...	+ 2.1865	- 0.0003	- 0.001	- 6.228	- 0.388	- 0.03	2432
163	Stone 10487 ...	+ 3.7988	- 0.0103	...	- 6.388	- 0.523	...	...
164	49 Sagittarii χ^3 ...	+ 3.6380	- 0.0085	- 0.003	- 6.734	- 0.497	+ 0.01	2446
165	30 Aquilae δ ...	+ 3.0091	- 0.0018	+ 0.015	- 6.830	- 0.410	- 0.09	2451
166	... ..	+ 4.9813	- 0.0108	...	- 7.355	- 0.674	...	...
167	Taylor 8982 ...	+ 5.0721	- 0.0452	...	- 7.567	- 0.682	...	...
168	Stone 10598 ...	+ 4.0939	- 0.0192	...	- 7.838	- 0.548	...	...
169	... ..	+ 3.9837	- 0.0172	...	- 7.956	- 0.531	...	...
170	Stone 10624 ...	+ 4.1666	- 0.0221	...	- 8.190	- 0.553	...	...
171	Stone 10643 ...	+ 4.6906	- 0.0382	...	- 8.465	- 0.617	...	...
172	λ Ursa Minoris ...	- 63.2362	- 29.0936	- 0.050	- 8.472	+ 8.360	+ 0.01	2795
173	50 Aquilae γ ...	+ 2.8518	- 0.0011	- 0.001	- 8.534	- 0.373	- 0.01	2511
174	53 Aquilae α ...	+ 2.8919	- 0.0014	+ 0.035	- 8.879	- 0.374	- 0.38	2524
175	60 Aquilae β ...	+ 2.9451	- 0.0020	+ 0.001	- 9.230	- 0.378	+ 0.47	2538

Mean Positions of Stars for 1884, January 1st.

Number.	Star.	Magnitnde.	Estimations.	Mean Right Ascension.			Mean Polar Distance.			Observations.	Fraction of Year.
				h.	m.	s.	°	'	"		
176	Stone 10739	6.7	...	19	52	22.35	133	21	31.2	1	0.59
177	... ..	8.0	4	19	54	29.90	130	18	7.0	4	0.63
178	Stone 10797	6.6	...	20	0	43.46	137	24	3.5	2	0.58
179	Stone 10803	6.6	...	20	2	1.21	134	13	52.9	5	0.61
180	65 Aquilæ θ	3.4	...	20	5	19.17	91	9	53.1	20	0.70
181	Taylor 9308	6.2	...	20	8	3.20	117	22	40.4	3	0.62
182	6 Capricorni α ²	3.8	...	20	11	37.16	102	54	9.8	2	0.62
183	24 Cephei (Hew.), Var 2. ...	var.	...	20	12	39.27	1	13	17.0	1	0.75
184	Taylor 9343	6.5	...	20	13	15.40	140	21	21.6	1	0.59
185	... ..	8.5	1	20	18	5.71	121	8	2.9	1	0.70
186	... ..	8.5	1	20	21	33.47	133	19	21.9	1	0.62
187	Taylor 9464	7.8	...	20	26	44.31	112	37	23.7	1	0.63
188	R. P. L. 143	6.7	...	20	26	50.29	5	14	27.1	3	0.64
189	2 Delphini ε	4.1	...	20	27	40.21	79	5	26.1	10	0.78
190	Taylor 9561	7.2	...	20	37	18.15	126	14	39.1	1	0.61
191	50 Cygni α (Deneb)	1.5	...	20	37	28.48	45	7	58.7	5	0.72
192	Taylor 9573	7.0	...	20	39	25.58	136	16	38.0	2	0.64
193	2 Aquarii ε	3.8	...	20	41	23.66	99	55	11.8	10	0.78
194	Stone 11091	7.5	...	20	44	45.11	142	8	55.3	4	0.66
195	Stone 11115	6.7	...	20	47	8.92	118	21	46.3	2	0.65
196	32 Vulpeculæ	5.1	...	20	49	36.81	62	23	1.1	1	0.66
197	Lalande 40458	5.9	...	20	50	37.85	100	8	30.1	5	0.75
198	76 Draconis ... ..	...	...	20	50	54.95	7	53	59.1	4	0.77
199	Stone 11191	7.5	...	20	58	16.69	138	59	11.8	1	0.66
200	23 Capricorni θ	4.3	...	20	59	25.56	107	41	33.7	1	0.64
201	... ..	8.0	3	21	0	18.20	150	59	24.5	3	0.72
202	24 Capricorni A	4.6	...	21	0	20.45	115	28	6.3	1	0.65
203	61 Cygni—1st	5.5	...	21	1	41.84	51	49	11.8	2	0.68
204	61 Cygni—2nd	6.3	...	21	1	43.27	51	49	24.2	8	0.76
205	... ..	8.5	4	21	4	28.17	100	40	52.3	5	0.70
206	64 Cygni ζ	3.5	...	21	7	59.89	60	14	51.9	1	0.67
207	5 Cephei α	2.6	...	21	15	48.46	27	54	20.8	8	0.75
208	22 Aquarii β	3.1	...	21	25	27.12	96	4	51.0	2	0.71
209	... ..	9.0	4	21	33	43.81	119	45	19.4	5	0.75
210	ε Indi	5.2	...	21	54	28.88	147	15	41.8	10	0.76

Observed with the Madras Meridian Circle in that Year.

Number.	Star.	In Right Ascension.			In Polar Distance.			Authority.
		Annual Precession.	Secular Variation.	Proper Motion.	Annual Precession.	Secular Variation.	Proper Motion.	
176	Stone 10730 ...	+ 4.1859	- 0.0268	...	- 9.444	- 0.536	...	...
177	... ..	+ 4.0677	- 0.0239	...	- 9.606	- 0.518	...	...
178	Stone 10797 ...	+ 4.3292	- 0.0338	...	- 10.081	- 0.543	...	...
179	Stone 10803 ...	+ 4.1937	- 0.0297	...	- 10.180	- 0.524	...	...
180	65 Aquilæ θ ...	+ 3.0956	- 0.0042	- 0.000	- 10.426	- 0.382	- 0.01	2576
181	Taylor 9303 ...	+ 3.6594	- 0.0155	...	- 10.630	- 0.448	...	...
182	6 Capricorni α^2 ...	+ 3.3295	- 0.0084	+ 0.002	- 10.894	- 0.403	- 0.02	2595
183	24 Cephei (Her.) ...	- 49.4201	- 25.4047	...	- 10.970	+ 6.038	...	...
184	Taylor 9343 ...	+ 4.4207	- 0.0417	...	- 11.014	- 0.535	...	...
185	... ..	+ 3.7378	- 0.0191	...	- 11.365	- 0.447	...	...
186	... ..	+ 4.1003	- 0.0318	...	- 11.600	- 0.484	...	...
187	Taylor 9464 ...	+ 3.5191	- 0.0141	...	- 11.981	- 0.408	...	...
188	R. P. L. 143 ...	- 8.6122	- 1.2853	...	- 11.987	+ 1.012	...	...
189	2 Delphini ϵ ...	+ 2.8664	- 0.0013	- 0.001	- 12.046	- 0.330	+ 0.02	2642
190	Taylor 9561 ...	+ 3.8305	- 0.0255	...	- 12.708	- 0.428	...	...
191	50 Cygni α ...	+ 2.0437	+ 0.0021	- 0.000	- 12.720	- 0.226	- 0.00	2679
192	Taylor 9573 ...	+ 4.1454	- 0.0390	...	- 12.851	- 0.460	...	...
193	2 Aquarii ϵ ...	+ 3.2505	- 0.0084	- 0.000	- 12.983	- 0.356	+ 0.03	2681
194	Stone 11091 ...	+ 4.3670	- 0.0517	...	- 13.206	- 0.475	...	...
195	Stone 11115 ...	+ 3.6105	- 0.0192	...	- 13.364	- 0.388	...	...
196	32 Vulpeculæ ...	+ 2.5559	+ 0.0026	- 0.002	- 13.523	- 0.270	+ 0.00	2709
197	Lalande 40458 ...	+ 3.2482	- 0.0087	...	- 13.597	- 0.434	...	...
198	76 Draconis ...	- 4.0051	- 0.5286	+ 0.014	- 13.607	+ 0.435	- 0.01	2754
199	Stone 11191 ...	+ 4.1674	- 0.0464	...	- 14.073	- 0.429	...	...
200	23 Capricorni θ ...	+ 3.3747	- 0.0128	+ 0.004	- 14.144	- 0.344	+ 0.05	2733
201	... ..	+ 4.7746	- 0.0859	...	- 14.199	- 0.488	...	...
202	24 Capricorni A. ...	+ 3.5220	- 0.0178	- 0.005	- 14.201	- 0.358	+ 0.02	2737
203	61 Cygni -1st ...	+ 2.3346	+ 0.0044	+ 0.344	- 14.281	- 0.233	- 3.23	2744
204	61 Cygni -2nd ...	+ 2.3348	+ 0.0044	+ 0.350	- 14.284	- 0.233	- 3.03	2745
205	... ..	+ 3.2472	- 0.0096	...	- 14.454	- 0.323	...	...
206	64 Cygni ζ ...	+ 2.5512	+ 0.0038	- 0.002	- 14.666	- 0.248	+ 0.07	2760
207	5 Cephei α ...	+ 1.4148	- 0.0071	+ 0.021	- 15.124	- 0.130	- 0.03	2786
208	22 Aquarii β ...	+ 3.1613	- 0.0071	- 0.001	- 15.664	- 0.282	+ 0.00	2797
209	... ..	+ 3.5304	- 0.0223	...	- 16.054	- 0.303	...	...
210	ϵ Indi... ..	+ 4.1558	- 0.0724	+ 0.480	- 17.114	- 0.313	+ 2.45	Stone

Mean Positions of Stars for 1884, January 1st.

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension.			Mean Polar Distance.			Observations.	Fraction of Year.
				h.	m.	s.	°	'	"		
211	34 Aquarii α	3.2	...	21	59	49.58	90	52	59.6	1	0.73
212	48 Aquarii γ	4.1	...	22	15	39.87	91	58	18.2	10	0.82
213	R. P. L. 150	5.5	...	22	22	28.00	4	28	35.3	1	0.75
214	R. P. L. 151	6.9	...	22	22	48.81	4	21	42.9	2	0.75
215	R. P. L. 153	7.6	...	22	26	42.58	2	30	27.7	2	0.52
216	42 Pegasi ζ	3.6	...	22	35	40.53	79	46	26.9	2	0.75
217	73 Aquarii λ	3.8	...	22	46	33.68	98	11	49.0	14	0.78
218	24 Pis. Aus. α (<i>Fomalhaut</i>)	1.3	...	22	51	14.28	120	14	12.3	2	0.87
219	6 Piscium γ	3.8	...	23	11	9.09	87	21	5.7	2	0.76
220	8 Piscium κ	5.0	...	23	20	59.09	89	22	48.9	1	0.76
221	17 Piscium ι	4.3	...	23	33	58.95	85	0	10.3	1	0.77
222	23 Piscium ω	4.2	...	23	53	21.30	83	46	44.9	1	0.77

213.—Groombridge 3820.

214.—Groombridge 3824.

215.—Carrington 3406.

Observed with the Madras Meridian Circle in that Year.

Number.	Star.	In Right Ascension.			In Polar Distance.			Authority.
		Annual Precession.	Secular Variation.	Proper Motion.	Annual Precession.	Secular Variation.	Proper Motion.	
		<i>s</i>	<i>s</i>	<i>s</i>	<i>"</i>	<i>"</i>	<i>"</i>	
211	34 Aquarii α ...	+ 3.0827	- 0.0041	- 0.001	- 17.359	- 0.219	- 0.00	2890
212	48 Aquarii γ ...	+ 3.0926	- 0.0042	+ 0.007	- 18.011	- 0.191	- 0.02	2943
213	R. P. L. 150 ...	- 3.9833	- 1.2483	+ 0.052	- 18.262	+ 0.248	- 0.04	2993
214	R. P. L. 151 ...	- 4.1389	- 1.3184	+ 0.025	- 18.277	+ 0.256	- 0.01	2997
215	R. P. L. 153 ...	- 9.0126	- 4.2996	...	- 18.415	+ 0.528	...	...
216	42 Pegasi ζ ...	+ 2.9856	+ 0.0023	+ 0.004	- 18.711	- 0.149	+ 0.02	2992
217	73 Aquarii λ ...	+ 3.1330	- 0.0063	- 0.002	- 19.033	- 0.137	- 0.04	3019
218	24 Piscis Australis α ..	+ 3.3027	- 0.0210	+ 0.023	- 19.158	- 0.135	+ 0.16	3032
219	6 Piscium γ ...	+ 3.0592	+ 0.0005	+ 0.049	- 19.600	- 0.087	- 0.02	3082
220	8 Piscium κ ...	+ 3.0699	0.0000	+ 0.004	- 19.764	- 0.069	+ 0.10	3116
221	17 Piscium ϵ ...	+ 3.0591	+ 0.0030	+ 0.023	- 19.925	- 0.042	+ 0.44	3148
222	28 Piscium ω ...	+ 3.0681	+ 0.0047	+ 0.009	- 20.045	- 0.005	+ 0.11	3191