
MEAN POSITIONS OF STARS

OBSERVED WITH THE

MADRAS MERIDIAN CIRCLE

IN THE YEAR

1881

REDUCED TO JANUARY 1 OF THAT YEAR

Mean Positions of Stars for 1881, January 1st.

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension.			Mean Polar Distance.			Observations.	Fraction of Year.
				h.	m.	s.	°	'	"		
1	21 Androm. α (<i>Alpherat</i>)	2.1	...	0	2	14.22	61	38	59.3	8	0.87
2	... ..	7.0	5	0	2	45.77	137	43	18.6	5	0.77
3	... ..	8.1	5	0	4	7.46	153	57	30.2	5	0.87
4	... ..	8.2	5	0	5	33.73	150	9	56.5	5	0.80
5	88 Pegasi γ (<i>Algenib</i>)	3.0	...	0	7	6.43	75	28	40.6	1	0.91
6	... ..	7.0	5	0	8	30.55	153	26	7.7	5	0.83
7	... ..	8.0	1	0	10	23.75	153	49	24.3	1	0.76
8	Stone 88	8.0	5	0	10	46.80	157	21	11.1	5	0.86
9	8 Ceti	3.6	...	0	13	21.78	99	29	2.6	9	0.83
10	... ..	8.1	5	0	15	17.36	155	46	28.9	5	0.85
11	Lacaille 56	7.6	4	0	15	47.21	144	55	24.8	5	0.82
12	... ..	8.0	1	0	17	31.62	155	46	50.4	2	0.87
13	... ..	8.0	3	0	19	34.48	148	55	33.3	3	0.83
14	... ..	8.0	4	0	20	5.62	158	24	16.7	5	0.86
15	... ..	8.4	5	0	22	49.03	156	34	16.7	5	0.83
16	Taylor 103	6.5	5	0	22	57.31	141	11	32.7	5	0.81
17	12 Ceti	6.2	...	0	23	57.91	94	36	56.3	2	0.81
18	... ..	8.0	5	0	28	2.24	154	20	4.1	5	0.83
19	Lacaille 132	8.0	1	0	28	5.69	151	48	15.9	1	0.76
20	... ..	8.8	5	0	29	26.71	154	20	6.5	5	0.82
21	31 Andromedæ δ	3.4	...	0	32	57.91	59	47	25.2	5	0.95
22	Lacaille 179	8.3	5	0	35	47.58	158	50	28.6	5	0.80
23	... ..	8.2	5	0	36	51.40	152	1	7.1	5	0.81
24	16 Ceti β	2.1	...	0	37	36.76	108	38	25.7	3	0.85
25	24 Cassiopeïæ η —1st	3.6	...	0	41	54.84	32	48	55.0	1	0.92
26	24 Cassiopeïæ η —2nd	8.0	3	0	41	54.88	32	49	3.4	2	0.92
27	63 Piscium δ	4.6	...	0	42	30.45	83	3	45.1	12	0.89
28	... ..	7.5	5	0	43	43.51	151	1	13.4	5	0.81
29	... ..	7.9	4	0	47	40.02	154	23	26.1	5	0.82
30	27 Cassiopeïæ γ	2.3	...	0	49	32.30	29	55	38.9	2	0.96
31	... ..	8.3	5	0	49	33.47	132	37	26.3	5	0.86
32	... ..	7.8	4	0	51	15.49	148	13	56.0	5	0.85
33	2 Ursæ Minoris	4.5	...	0	52	42.55	4	22	56.7	2	0.79
34	R. P. L. 14	6.2	...	0	56	20.00	3	29	20.9	2	0.96
35	71 Piscium ϵ	4.5	...	0	56	46.04	82	45	3.5	3	0.89

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				h.	m.	s.	°	'	"		
36 2nd.	8.0	5	0	56	52.76	132	45	59.3	5	0.82
37	8.0	2	0	57	27.83	147	58	56.0	5	0.85
38	30 Cassiopeiae μ ...	5.2	...	1	0	21.80	35	39	52.5	5	0.98
39	... ..	9.0	5	1	2	5.61	150	36	10.8	5	0.86
40	43 Andromedae β ...	2.2	...	1	3	4.27	55	0	37.8	3	0.96
41	... ..	9.0	5	1	6	8.52	134	21	43.2	5	0.85
42	... ..	8.0	4	1	9	27.53	151	38	23.4	5	0.88
43	Stone 487 ...	7.0	4	1	10	35.20	124	46	40.9	5	0.92
44	... ..	7.7	3	1	10	51.69	152	44	23.0	5	0.86
45	B. P. L. 18 ...	7.9	...	1	13	7.61	2	3	31.3	2	0.38
46	1 Ursae Min. α (<i>Polaris</i>)...	2.2	...	1	15	6.39	1	19	32.8	1	0.38
47	... ..	9.5	4	1	16	55.06	122	55	23.1	5	0.87
48	45 Ceti θ^1 ...	3.8	...	1	18	4.46	98	47	52.8	3	0.93
49	Taylor 454 ...	7.0	4	1	18	39.53	122	25	52.5	5	0.85
50	... ..	9.4	5	1	19	10.06	123	10	58.1	5	0.89
51	... ..	9.4	4	1	19	30.35	123	28	35.5	4	0.95
52	... ..	10.0	1	1	20	1.58	122	56	55.3	1	0.96
53	... ..	...	...	1	20	59.85	123	10	12.4	1	0.90
54	... ..	9.0	4	1	22	59.30	123	37	58.6	4	0.92
55	... ..	9.0	5	1	23	24.08	122	39	17.2	5	0.80
56	... ..	8.0	1	1	23	42.43	131	15	49.9	1	0.89
57	... ..	9.0	4	1	24	30.50	123	39	57.7	5	0.84
58	99 Piscium γ ...	3.7	...	1	25	6.89	75	16	4.1	2	0.96
59	Stone 625 ...	6.6	5	1	29	24.92	122	30	3.0	5	0.93
60	... ..	8.0	4	1	30	25.43	130	26	51.8	5	0.86
61	Taylor 552 ...	7.5	4	1	34	11.39	144	2	32.9	5	0.87
62	106 Piscium ν ...	4.7	...	1	35	14.32	85	6	53.2	4	0.71
63	Lacaille 490 ...	7.0	4	1	35	18.99	127	4	54.9	5	0.90
64	... ..	9.0	4	1	37	41.56	126	7	30.8	5	0.93
65	110 Piscium σ ...	4.4	...	1	39	6.59	81	26	30.9	5	0.75
66	Lacaille 541 ...	7.0	3	1	45	50.85	121	29	41.4	5	0.86
67	Stone 739 ...	6.5	5	1	46	21.97	130	25	26.9	5	0.95
68	... ..	7.5	4	1	47	8.39	130	15	41.0	5	0.91
69	6 Arietis β ...	2.8	...	1	48	3.97	69	46	27.9	4	0.25
70	Stone 762 ...	6.7	3	1	50	46.57	126	49	40.9	3	0.97

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	... .. 2nd.	+ 2.7686	- 0.0165	...	- 19.440	+ 0.106	...	...
37	... ..	+ 2.5418	- 0.0252	...	- 19.427	+ 0.100	...	...
38	30 Cassiopeiæ μ	+ 3.5571	+ 0.0577	+ 0.386	- 19.364	+ 0.142	+ 1.58	118
39	... ..	+ 2.4372	- 0.0245	...	- 19.323	+ 0.103	...	...
40	43 Andromedæ β	+ 3.3266	+ 0.0286	+ 0.014	- 19.300	+ 0.139	+ 0.08	140
41	... ..	+ 2.7002	- 0.0157	...	- 19.224	+ 0.120	...	...
42	... ..	+ 2.3331	- 0.0216	...	- 19.140	+ 0.109	...	...
43	Stone 487	+ 2.7909	- 0.0105	...	- 19.112	+ 0.131	...	...
44	... ..	+ 2.2827	- 0.0209	...	- 19.102	+ 0.109	...	...
45	R. P. L. 18	+ 14.7402	+ 6.7836	...	- 19.041	+ 0.682	...	...
46	1 Ursæ Minoris α	+ 21.6020	+ 16.0075	+ 0.108	- 18.987	+ 1.025	+ 0.00	102
47	... ..	+ 2.7872	- 0.0089	...	- 18.935	+ 0.142	...	...
48	45 Ceti θ^1	+ 3.0032	+ 0.0018	- 0.007	- 18.902	+ 0.154	+ 0.20	184
49	Taylor 454	+ 2.7865	- 0.0083	...	- 18.885	+ 0.141	...	...
50	... ..	+ 2.7763	- 0.0087	...	- 18.869	+ 0.145	...	...
51	... ..	+ 2.7717	- 0.0088	...	- 18.859	+ 0.145	...	...
52	... ..	+ 2.7759	- 0.0086	...	- 18.844	+ 0.146	...	...
53	... ..	+ 2.7699	- 0.0085	...	- 18.814	+ 0.147	...	...
54	... ..	+ 2.7573	- 0.0085	...	- 18.754	+ 0.151	...	...
55	... ..	+ 2.7673	- 0.0080	...	- 18.740	+ 0.151	...	...
56	... ..	+ 2.6532	- 0.0114	...	- 18.731	+ 0.146	...	...
57	... ..	+ 2.7514	- 0.0083	...	- 18.706	+ 0.152	...	...
58	99 Piscium η	+ 3.1998	+ 0.0141	- 0.000	- 18.686	+ 0.177	+ 0.00	203
59	Stone 625	+ 2.7484	- 0.0074	...	- 18.546	+ 0.160	...	...
60	... ..	+ 2.6342	- 0.0102	...	- 18.514	+ 0.155	...	...
61	Taylor 552	+ 2.3359	- 0.0127	...	- 18.384	+ 0.142	...	...
62	106 Piscium ν	+ 3.1184	+ 0.0091	- 0.003	- 18.348	+ 0.191	- 0.01	228
63	Lacaille 490	+ 2.6641	- 0.0083	...	- 18.344	+ 0.165	...	...
64	... ..	+ 2.6688	- 0.0077	...	- 18.259	+ 0.169	...	...
65	110 Piscium σ	+ 3.1567	+ 0.0111	+ 0.003	- 18.208	+ 0.200	- 0.06	232
66	Lacaille 541	+ 2.7074	- 0.0054	...	- 17.953	+ 0.184	...	...
67	Stone 739	+ 2.5625	- 0.0079	...	- 17.932	+ 0.175	...	...
68	... ..	+ 2.5620	- 0.0078	...	- 17.902	+ 0.176	...	...
69	6 Arietis β	+ 3.2961	+ 0.0183	+ 0.005	- 17.865	+ 0.226	+ 0.10	252
70	Stone 762	+ 2.6070	- 0.0064	...	- 17.756	+ 0.184

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				<i>h.</i>	<i>m.</i>	<i>s.</i>	<i>°</i>	<i>'</i>	<i>"</i>		
71	Stone 779	8.0	5	1	52	32.81	131	13	4.7	5	0.95
72	Stone 786	6.9	2	1	53	29.70	131	44	55.9	5	0.90
73	... ..	9.0	2	1	55	40.73	87	41	50.1	2	0.97
74	O. A. S. 1255	7.0	4	1	57	8.33	120	14	23.8	5	0.86
75	... ..	7.1	5	1	58	45.63	181	2	33.7	5	0.96
76	... ..	9.1	5	2	0	7.98	87	56	19.7	5	0.91
77	Lacaille 680	6.5	1	2	0	24.59	145	27	5.5	1	0.91
78	Stone 837	7.0	4	2	1	34.13	127	41	10.3	4	0.97
79	Lacaille 658	8.0	2	2	5	30.37	126	4	17.7	5	0.89
80	... ..	8.0	4	2	6	47.38	132	25	46.2	4	0.96
81	W. B. E. II. 104	9.0	3	2	8	56.78	86	42	6.9	3	0.96
82	Taylor 750... ..	6.3	3	2	9	42.89	131	43	19.8	4	0.87
83	W. B. E. II. 126	8.1	4	2	10	19.83	86	37	3.7	4	0.93
84	67 Ceti	5.5	...	2	11	2.87	96	58	15.7	7	0.14
85	Stone 914	6.8	2	2	12	17.06	126	32	10.6	2	0.94
86	W. B. E. II. 161	7.1	5	2	12	29.26	86	21	9.7	5	0.93
87	W. B. E. II. 177	7.8	2	2	13	18.43	87	43	39.1	2	0.94
88	Stone 938	6.5	4	2	16	37.11	147	19	46.5	4	0.96
89	Lacaille 731	6.3	4	2	19	46.27	131	23	1.5	5	0.87
90	73 Ceti ϵ^2	4.4	...	2	21	49.39	82	4	26.4	3	0.60
91	... ..	9.2	3	2	22	20.24	85	23	20.8	3	0.94
92	Stone 1018	7.0	5	2	27	50.37	136	23	47.2	5	0.92
93	... ..	8.0	5	2	29	20.29	132	23	47.9	5	0.97
94	Stone 1073	7.5	1	2	34	51.76	143	27	58.4	1	0.99
95	Stone 1080	6.7	5	2	35	15.33	143	26	58.5	5	0.95
96	86 Ceti γ -2nd	3.6	...	2	37	8.08	87	15	59.4	11	0.62
97	Stone 1106	6.0	4	2	37	51.18	137	1	45.8	5	0.91
98	Stone 1145	7.6	5	2	42	11.81	127	50	41.2	5	0.94
99	γ Horologii	6.1	...	2	42	55.06	154	12	15.7	1	0.01
100	ζ Hydri	5.2	...	2	43	43.20	158	7	2.4	4	0.04
101	γ Fornacis	6.4	...	2	44	34.60	115	3	0.4	4	0.02
102	48 Arietis σ	5.5	...	2	44	55.29	75	24	33.0	12	0.91
103	Stone 1185	5.8	5	2	48	54.56	128	55	27.0	5	0.96
104	3 Eridani η	4.0	...	2	50	36.68	99	22	22.8	1	0.93
105	Stone 1238	6.9	5	2	54	39.75	134	13	5.2	5	0.90

73—76—87.—Comparison stars for Sylvia in 1881.

83—86—91.—Comparison stars for Camilla in 1881.

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.	
71	Stone 779 ...	+ 2.5201	- 0.0073	...	- 17.684	+ 0.181	...	...
72	Stone 786 ...	+ 2.5053	- 0.0073	...	- 17.645	+ 0.181	...	...
73	... ..	+ 3.0983	+ 0.0084	...	- 17.553	+ 0.226	...	...
74	O. A. S. 1255 ...	+ 2.6911	- 0.0038	...	- 17.491	+ 0.200	...	...
75	... ..	+ 2.4958	- 0.0065	...	- 17.421	+ 0.187	...	...
76	... ..	+ 3.0489	+ 0.0066	...	- 17.361	+ 0.229	...	...
77	Lacaille 630 ...	+ 2.0986	- 0.0059	...	- 17.349	+ 0.160	...	...
78	Stone 837 ...	+ 2.5498	- 0.0054	...	- 17.298	+ 0.195	...	...
79	Lacaille 658 ...	+ 2.5652	- 0.0046	...	- 17.121	+ 0.201	...	...
80	... ..	+ 2.4302	- 0.0055	...	- 17.061	+ 0.193	...	...
81	W. B. E. II. 104 ...	+ 3.1135	+ 0.0093	...	- 16.963	+ 0.249	...	...
82	Taylor 750 ...	+ 2.4331	- 0.0051	...	- 16.926	+ 0.197	...	...
83	W. B. E. II. 126 ...	+ 3.1149	+ 0.0093	...	- 16.898	+ 0.251	...	...
84	67 Ceti ...	+ 2.9839	+ 0.0049	+ 0.004	- 16.863	+ 0.242	+ 0.11	321
85	Stone 914 ...	+ 2.5318	- 0.0040	...	- 16.805	+ 0.208	...	...
86	W. B. E. II. 161 ...	+ 3.1189	+ 0.0095	...	- 16.797	+ 0.255	...	...
87	W. B. E. II. 177 ...	+ 3.1014	+ 0.0089	...	- 16.756	+ 0.255	...	...
88	Stone 938 ...	+ 1.9020	- 0.0008	...	- 16.595	+ 0.163	...	...
89	Lacaille 731 ...	+ 2.3976	- 0.0039	...	- 16.439	+ 0.207	...	...
90	73 Ceti ξ^a ...	+ 3.1803	+ 0.0117	+ 0.001	- 16.335	+ 0.276	+ 0.00	347
91	... ..	+ 3.1350	+ 0.0101	...	- 16.310	+ 0.273	...	...
92	Stone 1018 ...	+ 2.2283	- 0.0028	...	- 16.025	+ 0.202	...	...
93	... ..	+ 2.3321	- 0.0028	...	- 15.944	+ 0.213	...	...
94	Stone 1073 ...	+ 1.9437	+ 0.0004	...	- 15.648	+ 0.184	...	...
95	Stone 1080 ...	+ 1.9420	+ 0.0004	...	- 15.626	+ 0.184	...	...
96	86 Ceti γ -2nd ...	+ 3.1128	+ 0.0094	- 0.011	- 15.522	+ 0.294	+ 0.16	383
97	Stone 1106 ...	+ 2.1602	- 0.0014	...	- 15.483	+ 0.207	...	...
98	Stone 1145 ...	+ 2.3070	- 0.0010	...	- 15.238	+ 2.234	...	...
99	γ Horologii ...	+ 1.2675	+ 0.0175	...	- 15.196	+ 0.127	...	...
100	ζ Hydri ...	+ 0.8918	+ 0.0329	+ 0.012	- 15.151	+ 0.092	- 0.08	Stone
101	γ Fornacis ...	+ 2.6611	+ 0.0008	...	- 15.101	+ 0.261	...	...
102	43 Arietis σ ...	+ 3.3017	+ 0.0150	- 0.000	- 15.082	+ 0.323	+ 0.04	400
103	Stone 1185 ...	+ 2.3468	- 0.0008	...	- 14.850	+ 0.236	...	...
104	3 Eridani η ...	+ 2.9231	+ 0.0052	+ 0.004	- 14.749	+ 0.294	+ 0.22	413
105	Stone 1238 ...	+ 2.1741	+ 0.0001	...	- 14.507	+ 0.225

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				h.	m.	s.	°	'	"		
106	8.0	5	2	55	35.67	125	34	2.7	5	0.96
107	92 Ceti α (<i>Menkar</i>)	2.7	...	2	56	3.54	86	22	40.7	11	0.37
108	Stone 1279	6.8	3	3	1	14.59	127	48	4.4	3	0.97
109	... ..	7.0	3	3	1	16.25	150	25	49.1	3	0.93
110	... ..	7.0	2	3	3	29.59	129	45	20.8	2	0.95
111	R. P. L. 33	5.8	...	3	4	23.28	5	30	53.7	1	0.49
112	57 Arietis δ	4.5	...	3	4	49.52	70	43	26.3	7	0.31
113	... ..	7.0	1	3	8	25.73	127	24	25.4	1	0.99
114	Stone 1354	6.6	5	3	11	4.60	136	6	38.6	4	0.96
115	Stone 1364	6.5	2	3	12	10.33	149	57	13.9	2	0.94
116	ϵ Eridani	4.4	...	3	15	10.54	133	31	31.1	1	0.95
117	... ..	7.0	2	3	18	12.99	127	0	10.0	2	0.93
118	1 Tauri σ , Var. 5	Var.	...	3	18	24.61	81	23	26.0	13	0.25
119	... ..	7.0	4	3	19	5.02 5.02	134	39	23.4	4	0.94
120	... ..	8.0	2	3	20	19.33	149	21	25.5	2	0.94
121	... ..	8.0	1	3	20	56.81	149	24	52.3	1	0.95
122	... ..	10.0	2	3	21	22.16	71	55	56.8	3	0.01
123	Stone 1430	7.0	1	3	21	23.28	126	22	35.1	1	0.98
124	... ..	7.5	1	3	27	10.44	126	6	36.1	1	0.98
125	18 Eridani ϵ	3.7	...	3	27	19.43	99	51	44.5	13	0.27
126	R. P. L. 34	...	...	3	27	40.49	3	43	53.0	6	0.32
127	... ..	8.0	3	3	29	4.15	143	30	9.0	3	0.96
128	... ..	7.0	1	3	31	54.26	125	11	0.0	1	0.97
129	... ..	8.0	1	3	34	54.03	124	22	22.7	1	0.98
130	Stone 1541	8.0	1	3	36	49.97	146	31	53.5	1	0.93
131	Stone 1550	7.3	2	3	37	38.04	146	56	7.9	2	0.97
132	γ Camelopardi	4.6	...	3	37	49.17	19	2	9.3	4	0.06
133	ν^1 Eridani	4.8	...	3	38	25.38	127	41	22.3	5	0.07
134	Radcliffe 1053	...	...	3	38	38.15	24	50	39.0	2	0.05
135	20 Tauri (<i>Maia</i>)	4.0	...	3	38	44.77	66	0	19.5	2	0.01
136	21 Tauri (<i>k Asterope</i>)	7.0	2	3	38	49.05	65	49	5.8	2	0.06
137	22 Tauri (<i>l Asterope</i>)	7.0	4	3	38	57.56	65	50	40.0	4	0.08
138	23 Tauri (<i>Merope</i>)	4.2	...	3	39	15.86	66	25	24.3	3	0.10
139	24 Tauri	7.3	2	3	40	16.64	66	15	11.9	2	0.07
140	25 Tauri η (<i>Aloyste</i>)	3.0	...	3	40	24.65	66	15	51.9	2	0.98

111.—Groombridge 595.

122.—Comparison star for Mars in 1879.

826.—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.	
106	... ..	+ 2.4095	+ 0.0005	...	- 14.450	+ 0.249	...	..
107	92 Ceti α ...	+ 3.1311	+ 0.0098	- 0.003	- 14.422	+ 0.323	+ 0.07	428
108	Stone 1279 ...	+ 2.3350	+ 0.0002	...	- 14.103	+ 0.248	...	...
109	... ..	+ 1.3969	+ 0.0124	...	- 14.695	+ 0.151	...	...
110	... ..	+ 2.2740	+ 0.0004	...	- 13.962	+ 0.214	...	...
111	R. P. L. 33 ...	+ 13.0485	+ 1.6119	+ 0.044	- 13.905	+ 1.374	+ 0.12	403
112	57 Arietis δ ...	+ 3.4099	+ 0.0171	+ 0.010	- 13.878	+ 0.364	- 0.01	446
113	... ..	+ 2.3232	+ 0.0007	...	- 13.650	+ 0.254	...	...
114	Stone 1354 ...	+ 2.0432	+ 0.0019	...	- 13.478	+ 0.226	...	...
115	Stone 1364 ...	+ 1.3535	+ 0.0132	...	- 13.408	+ 0.153	...	...
116	ϵ Eridani ...	+ 2.1170	+ 0.0017	+ 0.266	- 13.212	+ 0.238	- 0.75	Stone
117	... ..	+ 2.3056	+ 0.0013	...	- 13.009	+ 0.262	...	...
118	1 Tauri ϵ , Var. 5 ...	+ 3.2205	+ 0.0115	- 0.005	- 12.996	+ 0.364	+ 0.07	477
119	... ..	+ 2.0637	+ 0.0019	...	- 12.953	+ 0.241	...	...
120	... ..	+ 1.3336	+ 0.0133	...	- 12.827	+ 0.155	...	...
121	... ..	+ 1.3336	+ 0.0133	...	- 12.826	+ 0.155	...	...
122	... ..	+ 3.4081	+ 0.0158	...	- 12.799	+ 0.387	...	...
123	Stone 1430 ...	+ 2.3141	+ 0.0015	...	- 12.798	+ 0.205	...	...
124	... ..	+ 2.3060	+ 0.0018	...	- 12.404	+ 0.269	...	...
125	18 Eridani ϵ ...	+ 2.8896	+ 0.0055	- 0.068	- 12.393	+ 0.336	- 0.01	493
126	R. P. L. 34 ...	+ 19.2088	+ 3.2510	+ 0.136	- 12.369	+ 2.211	+ 0.06	Gr.
127	... ..	+ 1.3467	+ 0.0126	...	- 12.272	+ 0.160	...	...
128	... ..	+ 2.3198	+ 0.0020	...	- 12.075	+ 0.275	...	...
129	... ..	+ 2.3352	+ 0.0055	...	- 11.865	+ 0.279	...	...
130	Stone 1541 ...	+ 1.4318	+ 0.0106	...	- 11.729	+ 0.174	...	...
131	Stone 1550 ...	+ 1.4024	+ 0.0111	...	- 11.672	+ 0.174	...	...
132	γ Camelopardi ...	+ 6.2250	+ 0.1605	- 0.002	- 11.659	+ 0.741	+ 0.05	Romberg
133	ν Eridani ...	+ 2.2303	+ 0.0024	...	- 11.615	+ 0.270	...	...
134	Radcliffe 1053 ...	+ 5.4278	+ 0.1016	...	- 11.600	+ 0.649	...	...
135	20 Tauri ...	+ 3.5580	+ 0.0179	+ 0.000	- 11.592	+ 0.428	+ 0.04	512
136	21 Tauri ...	+ 3.5623	+ 0.0181	+ 0.000	- 11.587	+ 0.427	+ 0.04	513
137	22 Tauri ...	+ 3.5619	+ 0.0181	+ 0.001	- 11.577	+ 0.429	+ 0.04	514
138	23 Tauri ...	+ 3.5492	+ 0.0177	- 0.001	- 11.555	+ 0.427	+ 0.04	516
139	24 Tauri ...	+ 3.5546	+ 0.0177	- 0.002	- 11.483	+ 0.429	+ 0.06	520
140	25 Tauri ...	+ 3.5545	+ 0.0177	- 0.000	- 11.473	+ 0.430	+ 0.04	521

126.—Proper motions from Greenwich Catalogue, 1880.

Mean Positions of Stars for 1881, January 1st.

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension.			Mean Polar Distance.			Observations.	Fraction of Year.
				h.	m.	s.	°	'	"		
141	Taylor 1304	6.1	...	3	41	34.11	137	43	52.9	1	0.03
142	Stone 1608... ..	6.9	...	3	43	57.49	141	7	8.2	3	0.95
143	Stone 1620... ..	7.5	2	3	45	8.84	147	59	44.6	2	0.94
144	... ..	8.0	3	3	45	27.31	124	23	23.1	3	0.97
145	W Tauri, Var.	8.0	3	3	46	49.10	82	34	56.7	3	0.01
146	34 Eridani γ^1	8.0	...	3	52	28.59	103	50	52.5	3	0.36
147	Stone 1686... ..	7.1	5	3	52	38.39	142	35	35.5	5	0.95
148	... ..	8.0	...	3	53	23.48	124	51	14.0	1	0.98
149	Stone 1710... ..	6.7	...	3	57	29.15	124	48	50.5	1	0.97
150	37 Tauri A ¹	4.4	...	3	57	39.58	68	14	40.6	12	0.20
151	... ..	8.0	2	3	59	15.41	128	55	51.4	2	0.96
152	B. P. L. 35... ..	6.7	...	3	59	39.91	4	45	36.2	4	0.07
153	... ..	7.0	3	4	0	36.34	131	36	25.4	3	0.96
154	Stone 1757... ..	6.9	...	4	3	17.84	127	22	47.2	1	0.98
155	... ..	8.0	1	4	5	7.03	126	58	0.8	1	0.97
156	38 Eridani σ^1	4.1	...	4	6	3.39	97	8	55.6	5	0.26
157	δ Horologii	5.3	...	4	6	49.91	132	18	18.4	1	0.95
158	... ..	8.5	...	4	7	29.16	150	36	48.1	1	0.96
159	... ..	9.0	2	4	10	8.02	128	37	3.3	2	0.97
160	54 Tauri γ	3.9	...	4	13	1.30	74	39	39.5	5	0.08
161	... ..	8.0	4	4	16	10.11	125	22	13.5	4	0.95
162	74 Tauri ϵ	3.7	...	4	21	40.07	71	5	4.5	3	0.09
163	Stone 1895	8.1	3	4	22	13.11	128	51	19.8	3	0.95
164	... ..	8.0	1	4	25	6.01	125	32	55.2	1	0.97
165	Stone 1961	8.0	1	4	28	52.43	128	32	8.6	1	0.98
166	... ..	8.0	1	4	29	8.37	126	35	38.9	1	0.96
167	... ..	8.5	1	4	34	25.71	130	49	36.1	1	0.98
168	... ..	7.5	1	4	35	32.88	125	52	43.0	1	0.97
169	Lacaille 1566	6.8	...	4	36	3.15	148	26	20.1	1	0.96
170	57 Eridani μ	4.3	...	4	39	33.19	93	28	25.0	6	0.08
171	... ..	7.0	3	4	43	4.08	126	25	20.3	3	0.96
172	ι Pictoris	5.8	...	4	48	16.10	143	39	51.5	3	0.03
173	3 Aurigæ ι	2.7	...	4	49	14.56	57	1	25.7	2	0.54
174	R Eridani, Var.	Var.	...	4	49	58.04	106	36	41.7	3	0.01
175	... ..	9.5	1	4	52	34.05	131	48	44.4	1	0.96

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.	
141	Taylor 1304 ...	+ 1.8618	+ 0.0046	...	- 11.390	+ 0.238	...	...
142	Stone 1608 ...	+ 1.6980	+ 0.0063	...	- 11.216	+ 0.210	...	...
143	Stone 1620 ...	+ 1.2930	+ 0.0129	...	- 11.130	+ 0.162	...	...
144	... ..	+ 2.3105	+ 0.0025	...	- 11.108	+ 0.286	...	...
145	W Tauri, Var.	+ 3.2178	+ 0.0101	...	- 11.008	+ 0.397	...	...
146	34 Eridani γ^1	+ 2.7925	+ 0.0047	+ 0.003	- 10.591	+ 0.351	+ 0.11	546
147	Stone 1686 ...	+ 1.5872	+ 0.0076	...	- 10.579	+ 0.202	...	...
148	... ..	+ 2.2798	+ 0.0027	...	- 10.524	+ 0.288	...	...
149	Stone 1710 ...	+ 2.2724	+ 0.0029	...	- 10.218	+ 0.280	...	...
150	37 Tauri A ¹ ...	+ 3.5316	+ 0.0153	+ 0.005	- 10.204	+ 0.447	+ 0.06	554
151	... ..	+ 2.1388	+ 0.0031	...	- 10.084	+ 0.273	...	...
152	R. P. L. 35 ...	+ 16.9644	+ 1.8075	+ 0.002	- 10.052	+ 2.145	- 0.02	750
153	... ..	+ 2.0425	+ 0.0036	...	- 9.980	+ 0.262	...	...
154	Stone 1757 ...	+ 2.1805	+ 0.0032	...	- 9.776	+ 0.281	...	...
155	... ..	+ 2.1899	+ 0.0025	...	- 9.636	+ 0.307	...	...
156	38 Eridani α^1	+ 2.9249	+ 0.0058	- 0.001	- 9.564	+ 0.379	- 0.09	568
157	3 Horologii ...	+ 2.0009	+ 0.0039	+ 0.013	- 9.505	+ 0.261	+ 0.00	Stone
158	... ..	+ 0.9787	+ 0.0173	...	- 9.454	+ 0.130	...	...
159	... ..	+ 2.1247	+ 0.0034	...	- 9.251	+ 0.279	...	...
160	54 Tauri γ ...	+ 3.3998	+ 0.0115	+ 0.007	- 9.024	+ 0.446	+ 0.03	583
161	... ..	+ 2.2190	+ 0.0033	...	- 8.779	+ 0.295	...	...
162	74 Tauri ϵ ...	+ 3.4889	+ 0.0120	+ 0.007	- 8.343	+ 0.466	+ 0.03	609
163	Stone 1895 ...	+ 2.0918	+ 0.0036	...	- 8.299	+ 0.282	...	...
164	... ..	+ 2.1977	+ 0.0033	...	- 8.069	+ 0.296	...	...
165	Stone 1961 ...	+ 2.0906	+ 0.0036	...	- 7.765	+ 0.284	...	...
166	... ..	+ 2.1567	+ 0.0035	...	- 7.743	+ 0.293	...	...
167	... ..	+ 1.9967	+ 0.0040	...	- 7.315	+ 0.274	...	...
168	... ..	+ 2.1702	+ 0.0035	...	- 7.223	+ 0.298	...	...
169	Lacaille 1566	+ 1.0402	+ 0.0128	...	- 7.183	+ 0.144	...	...
170	57 Eridani μ	+ 2.9961	+ 0.0055	- 0.000	- 6.895	+ 0.413	+ 0.00	657
171	... ..	+ 2.1409	+ 0.0035	...	- 6.606	+ 0.298	...	...
172	1 Pictoris ...	+ 1.3430	+ 0.0079	...	- 6.175	+ 0.180	...	...
173	3 Aurigae ...	+ 3.8987	+ 0.0144	+ 0.001	- 6.093	+ 0.544	+ 0.00	677
174	R Eridani ...	+ 2.6919	+ 0.0038	...	- 6.033	+ 0.377	...	...
175	... ..	+ 1.9278	+ 0.0040	...	- 5.816	+ 0.272	...	...

Mean Positions of Stars for 1881, January 1st.

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension.			Mean Polar Distance.			Observations.	Fraction of Year.
				h.	m.	s.	°	'	"		
176	... ..	7.0	1	4	54	18.10	131	48	52.6	1	0.98
177	8 Eridani, Var. ...	Var.	...	4	54	24.00	102	42	50.9	8	0.03
178	11 Camelopardi ...	5.1	...	4	55	48.01	81	11	46.2	2	0.05
179	... ..	7.0	2	4	59	8.46	131	46	38.9	2	0.97
180	2 Leporis ε ...	3.3	...	5	0	25.39	112	31	55.3	4	0.10
181	... ..	8.0	1	5	5	30.57	129	21	15.0 ^{15.3}	1	0.97
182	19 Orionis β (Rigel) ...	0.3	...	5	8	49.19	98	20	24.7	1	0.11
183	... ..	8.0	1	5	12	45.63	128	43	29.0	1	0.97
184	27 Orionis p ...	5.2	...	5	18	25.96	91	0	25.6	5	0.05
185	112 Tauri β ...	1.9	...	5	18	46.16	61	29	40.6	7	0.11
186	31 Orionis, Var. ...	Var.	...	5	23	41.40	91	11	15.3	4	0.01
187	R. P. L. 40 ...	6.0	...	5	23	59.05	4	52	4.6	2	0.33
188	34 Orionis δ, Var. 1. ...	Var.	...	5	25	55.66	90	23	18.0	2	0.11
189	11 Leporis α ...	2.7	...	5	27	28.96	107	54	31.2	7	0.14
190	... ..	8.7	5	5	29	0.11	96	5	15.0	5	0.07
191	T Orionis, Var. ...	Var.	...	5	29	12.09	96	5	24.1	10	0.06
192	46 Orionis ε ...	1.8	...	5	30	10.54	91	16	45.8	1	0.11
193	123 Tauri ζ ...	3.0	...	5	30	31.99	68	55	53.6	7	0.18
194	50 Orionis ζ ...	1.9	...	5	34	45.33	92	0	26.5	5	0.17
195	α Columbae ...	2.7	...	5	35	20.48	124	8	19.7	4	0.18
196	53 Orionis κ ...	2.2	...	5	42	6.72	99	42	48.3	18	0.12
197	β Columbae ...	2.9	...	5	46	45.89	125	48	50.3	4	0.17
198	53 Orionis α (Betelgeuse) ...	Var.	...	5	48	43.74	82	37	1.0	7	0.13
199	34 Aurigae β ...	2.1	...	5	50	47.89	45	3	59.2	5	0.17
200	37 Aurigae θ ...	2.7	...	5	51	36.35	52	47	47.1	4	0.17
201	W. B. N. V. 1681... ..	9.4	5	5	52	52.52	64	48	41.3	5	0.10
202	... ..	9.4	5	5	52	53.72	65	3	35.8	5	0.09
203	... ..	9.5	5	5	59	17.32	136	46	16.4	5	0.13
204	R. P. L. 43 ...	6.6	...	5	59	35.00	3	14	12.2	2	0.14
205	67 Orionis ν ...	4.4	...	6	0	46.66	75	13	4.9	10	0.13
206	7 Geminorum η ...	3.5	...	6	7	41.64	67	27	36.0	9	0.15
207	... ..	9.4	5	6	8	37.04	65	50	13.2	5	0.09
208	... ..	9.5	5	6	8	51.23	65	45	12.2	5	0.09
209	Lalande 12053 ...	9.0	1	6	13	25.00	68	51	34.7	1	0.17
210	... ..	9.5	5	6	14	0.23	150	36	32.1	5	0.13

187.—Groombridge 944.
204.—Groombridge 1004.

207—208.—Comparison stars for Isis in 1880.
209.—Comparison star for Ariadne in 1866.

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	...	+ 1.9285	+ 0.0040	...	- 5.671	+ 0.272	...	...
177	S Eridani ...	+ 2.7829	+ 0.0040	...	- 5.662	+ 0.391	...	...
178	11 Camelopardi ...	+ 5.1941	+ 0.0372	- 0.001	- 5.544	+ 0.729	+ 0.01	691
179	...	+ 1.9199	+ 0.0064	...	- 5.263	+ 0.273	...	...
180	2 Leporis ε ...	+ 2.5363	+ 0.0083	+ 0.000	- 5.154	+ 0.359	+ 0.07	713
181	...	+ 2.0068	+ 0.0036	...	- 4.723	+ 0.286	...	...
182	19 Orionis β ...	+ 2.8811	+ 0.0040	- 0.001	- 4.441	+ 0.412	- 0.01	736
183	...	+ 2.0199	+ 0.0035	...	- 4.106	+ 0.290	...	...
184	27 Orionis ρ ...	+ 3.0492	+ 0.0041	- 0.001	- 3.618	+ 0.439	- 0.14	762
185	112 Tauri β ...	+ 3.7867	+ 0.0082	+ 0.001	- 3.588	+ 0.545	+ 0.18	756
186	31 Orionis ...	+ 3.0449	+ 0.0038	- 0.002	- 3.164	+ 0.439	+ 0.02	779
187	R. P. L. 40 ...	+ 18.5767	+ 0.6061	...	- 3.138	+ 2.676	...	...
188	34 Orionis δ ...	+ 3.0633	+ 0.0038	- 0.001	- 2.971	+ 0.443	+ 0.01	787
189	11 Leporis α ...	+ 2.6446	+ 0.0029	- 0.001	- 2.836	+ 0.383	- 0.01	796
190	...	+ 2.9311	+ 0.0034	...	- 2.705	+ 0.424	...	...
191	T Orionis ...	+ 2.9310	+ 0.0034	...	- 2.687	+ 0.425	...	...
192	46 Orionis ε ...	+ 3.0427	+ 0.0035	- 0.002	- 2.603	+ 0.441	- 0.01	809
193	123 Tauri ζ ...	+ 3.5831	+ 0.0053	- 0.001	- 2.571	+ 0.519	+ 0.02	800
194	50 Orionis ζ ...	+ 3.0257	+ 0.0033	- 0.001	- 2.205	+ 0.439	- 0.01	819
195	α Columbae ...	+ 2.1711	+ 0.0027	+ 0.005	- 2.154	+ 0.316	+ 0.03	Stone
196	53 Orionis κ ...	+ 2.8441	+ 0.0027	- 0.002	- 1.563	+ 0.414	- 0.00	844
197	β Columbae ...	+ 2.1093	+ 0.0026	+ 0.002	- 1.158	+ 0.308	- 0.39	Stone
198	58 Orionis α ...	+ 3.2454	+ 0.0027	+ 0.001	- 0.986	+ 0.473	- 0.02	860
199	34 Aurigae β ...	+ 4.4051	+ 0.0041	- 0.007	- 0.805	+ 0.642	+ 0.01	859
200	37 Aurigae θ ...	+ 4.0864	+ 0.0035	+ 0.004	- 0.734	+ 0.596	+ 0.08	863
201	W. B. N. V. 1681 ...	+ 3.7003	+ 0.0026	...	- 0.623	+ 0.540	...	...
202	...	+ 3.6938	+ 0.0026	...	- 0.622	+ 0.538	...	...
203	...	+ 1.6501	+ 0.0025	...	- 0.061	+ 0.241	...	...
204	R. P. L. 43 ...	+ 26.7130	+ 0.0074	...	+ 0.036	+ 3.896	...	..
205	67 Orionis ν ...	+ 3.4251	+ 0.0017	- 0.000	+ 0.068	+ 0.500	+ 0.01	887
206	7 Geminorum η ...	+ 3.6268	+ 0.0007	- 0.005	+ 0.674	+ 0.529	+ 0.00	909
207	...	+ 3.6716	+ 0.0004	...	+ 0.754	+ 0.535	...	...
208	...	+ 3.6740	+ 0.0004	...	+ 0.772	+ 0.535	...	...
209	Lalande 12053 ...	+ 3.5883	+ 0.0002	...	+ 1.145	+ 0.523	...	...
210	...	+ 0.7032	+ 0.0003	...	+ 1.223	+ 0.101	...	...

Mean Positions of Stars for 1881, January 1st.

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension.			Mean Polar Distance.			Observations.	Fraction of Year.
				h.	m.	s.	°	'	"		
211	... ..	7.5	5	6	14	25.61	144	34	21.2	5	0.15
212	... ..	8.6	5	6	15	10.76	138	39	3.4	5	0.16
213	1 Canis Majoris ζ...	3.0	...	6	15	44.76	120	0	43.1	5	0.19
214	13 Geminorum μ ...	3.2	...	6	15	45.62	67	25	35.3	4	0.10
215	Taylor 2466 ...	6.5	3	6	16	58.13	138	40	44.4	5	0.18
216	2 Canis Majoris β	2.0	...	6	17	27.53	107	53	53.0	5	0.21
217	α Argūs (<i>Canopus</i>)	0.4	...	6	21	18.59	142	37	53.9	9	0.19
218	λ Canis Majoris ...	4.6	...	6	23	45.59	122	30	23.3	3	0.18
219	Taylor 2524 ...	7.5	...	6	24	0.01	131	3	37.3	4	0.19
220	... ..	8.2	5	6	24	52.96	148	8	54.1	5	0.12
221	Lacaille 2348 ...	6.8	5	6	26	41.49	152	4	20.5	5	0.16
222	... ..	7.6	5	6	29	50.01	138	26	59.4	5	0.13
223	24 Geminorum γ ...	2.0	...	6	30	50.19	73	30	2.9	7	0.16
224	ν Argūs ...	3.5	...	6	34	7.29	133	5	34.0	5	0.17
225	Taylor 2629 ...	7.0	5	6	34	36.95	139	25	27.3	5	0.14
226	... ..	8.6	5	6	35	34.46	148	4	42.3	5	0.11
227	Lalande 12863 ...	7.0	2	6	35	36.03	83	32	34.4	5	0.22
228	27 Geminorum ε ...	3.2	...	6	36	36.57	64	45	10.1	8	0.19
229	31 Geminorum ξ ...	3.4	...	6	38	36.61	76	58	37.7	6	0.13
230	9 Canis Maj. α (<i>Sirius</i>)	-1.4	...	6	39	54.20	106	33	16.5	6	0.20
231	10 Canis Majoris ...	5.2	...	6	39	56.83	120	56	57.7	1	0.15
232	... ..	9.2	5	6	42	56.30	144	1	33.9	5	0.13
233	51 Cephei (<i>Hev</i>) ...	5.3	...	6	44	16.91	2	46	22.2	2	0.65
234	14 Canis Majoris θ	4.2	...	6	48	39.67	101	53	25.3	26	0.16
235	Taylor 2767 ...	7.0	...	6	50	15.43	143	56	33.7	5	0.13
236	21 Canis Majoris ε	1.5	...	6	53	56.98	118	48	39.7	6	0.17
237	43 Geminorum ζ ^a , Var. 1.	Var.	...	6	57	3.04	69	15	23.0	3	0.22
238	Lacaille 2606 ...	8.0	5	6	58	0.27	146	44	19.7	5	0.13
239	23 Canis Majoris γ	4.1	...	6	58	22.55	105	27	30.9	10	0.14
240	Lalande 13707 ...	8.2	2	6	59	7.48	67	8	3.4	3	0.18
241	... ..	8.4	5	7	1	59.60	138	53	34.5	5	0.13
242	25 Canis Majoris δ	1.8	...	7	3	33.10	116	12	20.3	5	0.21
243	Radcliffe 1887 ...	4.5	...	7	5	56.75	7	21	51.3	2	0.69
244	Lacaille 2702 ...	7.0	5	7	9	35.38	145	57	21.7	5	0.14
245	L ^a Puppis, Var. ...	Var.	...	7	9	54.35	134	26	43.7	5	0.08

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.	
211	... ..	+ 1.1967	+ 0.0013	...	+ 1.262	+ 0.174	...	...
212	... ..	+ 1.5565	+ 0.0018	...	+ 1.328	+ 0.226	...	...
213	1 Canis Majoris ζ	+ 2.3019	+ 0.0019	+ 0.000	+ 1.376	+ 0.334	- 0.01	933
214	13 Geminorum μ	+ 3.6268	- 0.0003	+ 0.004	+ 1.377	+ 0.527	+ 0.10	929
215	Taylor 2466	+ 1.5559	+ 0.0016	...	+ 1.483	+ 0.225	...	...
216	2 Canis Majoris β	+ 2.6418	+ 0.0016	- 0.002	+ 1.526	+ 0.383	- 0.00	936
217	α Argūs	+ 1.3294	+ 0.0010	0.000	+ 1.863	+ 0.192	0.00	Stone
218	λ Canis Majoris	+ 2.2250	+ 0.0018	- 0.007	+ 2.075	+ 0.322	0.00	Stone
219	Taylor 2524	+ 1.9142	+ 0.0018	...	+ 2.097	+ 0.277	...	...
220	... ..	+ 0.9332	- 0.0006	...	+ 2.173	+ 0.134	...	...
221	Lacaille 2348	+ 0.5674	- 0.0026	...	+ 2.330	+ 0.081	...	...
222	... ..	+ 1.5766	+ 0.0009	...	+ 2.602	+ 0.227	...	...
223	24 Geminorum γ	+ 3.4647	- 0.0015	+ 0.002	+ 2.690	+ 0.500	+ 0.04	909
224	ν Argūs	+ 1.8354	+ 0.0014	- 0.004	+ 2.975	+ 0.264	+ 0.01	Stone
225	Taylor 2629	+ 1.5289	+ 0.0006	...	+ 3.017	+ 0.220	...	...
226	... ..	+ 0.9521	- 0.0020	...	+ 3.100	+ 0.136	...	...
227	Lalande 12863	+ 3.2226	- 0.0007	...	+ 3.102	+ 0.463	...	...
228	27 Geminorum ε	+ 3.0047	- 0.0035	- 0.002	+ 3.190	+ 0.531	+ 0.01	983
229	31 Geminorum ξ	+ 3.3773	- 0.0017	- 0.009	+ 3.362	+ 0.485	+ 0.20	989
230	9 Canis Majoris α	+ 2.6810	+ 0.0010	- 0.037	+ 3.474	+ 0.384	+ 1.20	994
231	10 Canis Majoris	+ 2.2828	+ 0.0015	...	+ 3.477	+ 0.327	...	...
232	... ..	+ 1.2627	- 0.0011	...	+ 3.786	+ 0.179	...	...
233	51 Cephei (Hev.)	+ 30.1568	- 2.2182	- 0.040	+ 3.851	+ 4.313	+ 0.05	Gr.
234	14 Canis Majoris θ	+ 2.7971	+ 0.0004	- 0.011	+ 4.227	+ 0.397	+ 0.00	1011
235	Taylor 2767	+ 1.2800	- 0.0015	...	+ 4.363	+ 0.180	...	...
236	21 Canis Majoris ε	+ 2.3573	+ 0.0013	- 0.001	+ 4.677	+ 0.332	- 0.02	1023
237	43 Geminorum ζ ^a	+ 3.5632	- 0.0050	- 0.001	+ 4.940	+ 0.503	- 0.00	1024
238	Lacaille 2606	+ 1.0990	- 0.0037	...	+ 5.021	+ 0.153	...	...
239	23 Canis Majoris γ	+ 2.7145	+ 0.0005	- 0.002	+ 5.053	+ 0.381	+ 0.00	1028
240	Lalande 13707	+ 3.6175	- 0.0057	...	+ 5.115	+ 0.509	...	...
241	... ..	+ 1.5959	- 0.0005	...	+ 5.358	+ 0.222	...	...
242	25 Canis Majoris δ	+ 2.4394	+ 0.0012	- 0.002	+ 5.490	+ 0.340	- 0.01	1042
243	Radcliffe 1887	+ 12.9912	- 0.4951	...	+ 5.691	+ 1.815	...	...
244	Lacaille 2702	+ 1.1841	- 0.0040	...	+ 5.997	+ 0.162	...	...
245	L ^a Puppis	+ 1.8215	+ 0.0003	...	+ 6.022	+ 0.250	...	...

Mean Positions of Stars for 1881, January 1st.

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension.			Mean Polar Distance.			Observations.	Fraction of Year.
				h.	m.	s.	°	'	"		
246	54 Geminorum λ ...	3.6	...	7	11	15.21	73	14	46.7	3	0.17
247	π Argus ...	2.7	...	7	12	56.45	126	53	7.3	5	0.18
248	55 Geminorum δ ...	3.6	...	7	13	0.97	67	47	58.2	2	0.13
249	... ..	9.2	5	7	13	16.47	144	16	37.5	5	0.12
250	Taylor 2975 ...	5.3	...	7	14	4.55	126	31	6.0	4	0.19
251	δ Volantis ...	4.1	...	7	16	53.25	157	44	23.1	4	0.22
252	Taylor 3029 ...	6.9	...	7	18	1.17	146	4	20.6	1	0.15
253	31 Canis Majoris η ...	2.4	...	7	19	23.33	119	4	20.3	5	0.17
254	... ..	9.2	5	7	20	11.94	145	20	18.4	5	0.13
255	Taylor 3051 ...	7.1	4	7	20	28.92	145	20	58.7	5	0.16
256	3 Canis Majoris β ...	3.1	...	7	20	41.85	81	28	18.3	12	0.18
257	U Monocerotis, Var. ...	Var.	...	7	25	6.92	99	31	44.0	10	0.09
258	66 Geminorum α^3 (<i>Castor</i>)	2.1	...	7	27	0.37	57	51	7.2	9	0.19
259	... ..	9.0	5	7	27	57.64	149	51	33.7	5	0.15
260	69 Geminorum ν ...	4.2	...	7	28	35.28	62	50	27.9	4	0.22
261	Taylor 3135 ...	8.1	5	7	30	23.40	144	54	20.8	5	0.14
262	10 Canis Min. α (<i>Procyon</i>)	0.5	...	7	33	4.35	84	28	15.3	2	0.18
263	Taylor 3177 ...	6.0	...	7	34	56.46	138	19	49.7	5	0.18
264	... ..	8.6	5	7	36	3.45	137	16	27.0	5	0.15
265	R Puppis, Var. ...	Var.	...	7	36	15.55	121	23	6.0	10	0.10
266	... ..	7.8	...	7	37	34.03	137	33	10.9	5	0.20
267	73 Geminorum β (<i>Pollux</i>)	1.1	...	7	38	1.97	61	41	17.3	5	0.21
268	... ..	8.1	5	7	38	5.48	145	22	22.5	5	0.14
269	... ..	8.5	2	7	42	6.58	137	17	42.4	5	0.19
270	... ..	7.8	2	7	42	17.19	138	3	57.7	5	0.19
271	S Puppis, Var. ...	8.3	10	7	43	16.40	137	49	12.1	10	0.12
272	T Puppis, Var. ...	7.4	10	7	44	4.50	130	21	19.9	10	0.12
273	ζ Argus ...	3.4	...	7	44	17.31	114	33	43.1	4	0.22
274	Melbourne 379 ...	8.2	5	7	46	58.55	150	51	52.8	5	0.23
275	... ..	8.5	4	7	47	14.72	138	14	23.0	5	0.18
276	... ..	8.4	5	7	48	12.71	150	55	12.8	5	0.14
277	R. P. L. 49 ...	6.7	...	7	48	15.07	5	36	12.7	4	0.17
278	... ..	9.5	5	7	54	49.25	134	11	9.0	5	0.13
279	6 Cancri ...	5.0	...	7	56	12.37	61	52	23.7	7	0.15
280	... ..	7.9	5	7	59	2.80	147	47	14.7	5	0.15

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.	
246	54 Geminorum λ ...	+ 3.4556	- 0.0055	- 0.004	+ 6.135	+ 0.478	+ 0.03	1058
247	π Argus ...	+ 2.1194	+ 0.0011	- 0.004	+ 6.275	+ 0.201	+ 0.02	Stone
248	55 Geminorum δ ...	+ 3.5905	- 0.0072	- 0.003	+ 6.282	+ 0.405	- 0.00	1062
249	... ..	+ 1.3076	- 0.0032	...	+ 6.304	+ 0.178	...	...
250	Taylor 2975 ...	+ 2.1337	+ 0.0012	...	+ 6.370	+ 0.202	...	...
251	δ Volantis ...	- 0.0118	- 0.0251	- 0.004	+ 6.602	- 0.004	0.00	Stone
252	Taylor 3029 ...	+ 1.1980	- 0.0046	...	+ 6.606	+ 0.162	...	...
253	31 Canis Majoris η ...	+ 2.3733	+ 0.0011	- 0.002	+ 6.809	+ 0.323	- 0.01	1081
254	... ..	+ 1.2560	- 0.0042	...	+ 6.875	+ 0.169	...	...
255	Taylor 3051 ...	+ 1.2560	- 0.0042	...	+ 6.899	+ 0.169	...	...
256	3 Canis Majoris β ...	+ 3.2606	- 0.0041	- 0.004	+ 6.916	+ 0.444	+ 0.03	1079
257	U Monocerotis ...	+ 2.8632	- 0.0008	...	+ 7.277	+ 0.386	...	...
258	66 Geminorum α^3 ...	+ 3.8527	- 0.0133	- 0.015	+ 7.432	+ 0.519	+ 0.08	1087
259	... ..	+ 0.9373	- 0.0092	...	+ 7.509	+ 0.124	...	...
260	69 Geminorum ν ...	+ 3.7076	- 0.0110	- 0.002	+ 7.560	+ 0.499	+ 0.10	1094
261	Taylor 3135 ...	+ 1.3157	- 0.0042	...	+ 7.705	+ 0.174	...	...
262	10 Canis Minoris α ...	+ 3.1912	- 0.0041	- 0.047	+ 7.922	+ 0.425	+ 1.03	1106
263	Taylor 3177 ...	+ 1.6972	- 0.0009	...	+ 8.072	+ 0.224	...	...
264	... ..	+ 1.7502	- 0.0005	...	+ 8.150	+ 0.230	...	...
265	R Puppis ...	+ 2.3277	+ 0.0012	...	+ 8.177	+ 0.306	...	...
266	... ..	+ 1.7412	- 0.0006	...	+ 8.282	+ 0.227	...	...
267	78 Geminorum β ...	+ 3.7276	- 0.0128	- 0.048	+ 8.319	+ 0.491	+ 0.05	1112
268	... ..	+ 1.3110	- 0.0049	...	+ 8.323	+ 0.170	...	...
269	... ..	+ 1.7652	- 0.0005	...	+ 8.641	+ 0.228	...	...
270	... ..	+ 1.7290	- 0.0007	...	+ 8.656	+ 0.224	...	...
271	S Puppis ...	+ 1.7441	- 0.0007	...	+ 8.733	+ 0.225	...	...
272	T Puppis ...	+ 2.0514	+ 0.0009	...	+ 8.707	- 0.265	...	...
273	7 Argus ξ ...	+ 2.5234	+ 0.0008	- 0.001	+ 8.814	+ 0.327	- 0.02	1132
274	Melbourne 379 ...	+ 0.9304	- 0.0119	...	+ 9.024	- 0.117	...	...
275	... ..	+ 1.7359	- 0.0031	...	+ 9.046	+ 0.161	...	...
276	... ..	+ 0.9816	- 0.0121	...	+ 9.120	+ 0.117	...	...
277	R. P. L. 49 ...	+ 15.2066	- 1.2413	...	+ 9.124	+ 1.970	...	...
278	... ..	+ 1.9325	+ 0.0006	...	+ 9.633	+ 0.243	...	...
279	6 Cancri ...	+ 3.6970	- 0.0148	- 0.003	+ 9.738	+ 0.468	+ 0.04	1149
280	... ..	+ 1.2302	- 0.0075	...	+ 9.955	+ 0.152	...	...

Mean Positions of Stars for 1881, January 1st.

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension.			Mean Polar Distance.			Observations.	Fraction of Year.
				h.	m.	s.	°	'	"		
281	ζ Argūs	2.5	...	7	59	24.16	129	40	8.2	5	0.18
282	10 Cancri μ ^a	5.2	...	8	0	45.67	68	4	26.5	2	0.20
283	15 Argūs	2.9	...	8	2	28.56	113	57	45.1	9	0.21
284	γ Argūs—2nd	3.0	...	8	5	51.90	136	59	10.6	5	0.17
285	... ..	...	...	8	6	15.86	141	29	33.7	5	0.14
286	17 Cancri β	3.8	...	8	10	3.68	80	26	56.3	11	0.17
287	... ..	8.1	5	8	13	42.39	143	6	23.0	5	0.15
288	ε Argūs	2.1	...	8	20	4.34	149	7	38.0	5	0.16
289	33 Cancri η	5.5	...	8	25	49.47	69	9	20.4	5	0.15
290	... ..	7.5	1	8	27	59.57	139	6	20.8	1	0.13
291	... .. (1st Star) ...	8.0	5	8	34	31.35	136	21	30.5	5	0.16
292	... .. (2nd Star) ...	8.0	5	8	34	42.96	136	21	49.9	5	0.17
293	43 Cancri γ	4.8	...	8	36	23.83	68	6	16.7	7	0.18
294	11 Hydræ ε	3.6	...	8	40	28.39	83	8	44.1	2	0.23
295	δ Argūs	2.2	...	8	41	25.09	144	16	24.3	5	0.17
296	R. P. L. 60	7.0	...	8	50	16.08	5	20	41.5	11	0.60
297	65 Cancri α	4.3	...	8	51	58.61	77	40	58.1	6	0.18
298	76 Cancri κ	5.0	...	9	1	18.05	78	51	14.4	11	0.22
299	77 Cancri ξ	5.2	...	9	2	30.87	67	28	25.8	4	0.22
300	λ Argūs	2.5	...	9	3	37.27	132	57	12.5	5	0.17
301	Lalande 18251 ... ..	...	...	9	9	18.62	74	29	50.2	4	0.21
302	β Argūs	2.0	...	9	11	53.59	159	13	41.3	5	0.18
303	83 Cancri	6.6	...	9	12	20.24	71	47	28.0	6	0.21
304	ι Argūs	2.5	...	9	13	54.27	148	46	36.4	7	0.19
305	26 Hydræ	4.9	...	9	14	2.51	101	28	23.1	4	0.19
306	25 Ursæ Majoris θ	3.2	...	9	24	53.39	37	46	52.4	9	0.24
307	R Carinæ, Var. 1. ...	Var.	...	9	29	14.95	152	15	45.8	10	0.23
308	... ..	9.2	5	9	30	45.94	152	56	41.3	5	0.21
309	... ..	9.2	4	9	30	46.54	152	42	9.0	5	0.21
310	14 Leonis ο	3.8	...	9	34	47.90	79	34	1.1	5	0.26
311	17 Leonis ε	3.1	...	9	39	5.67	65	40	41.7	9	0.30
312	ι Carinæ, Var.	Var.	...	9	41	58.61	151	57	34.5	5	0.26
313	υ Argūs	3.5	...	9	44	7.52	154	31	14.7	5	0.21
314	24 Leonis μ	4.1	...	9	45	59.56	63	25	59.3	14	0.27
315	R. P. L. 70	5.0	...	9	49	19.22	5	30	29.9	7	0.36

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.	
281	ζ Argûs	+ 2.1107	+ 0.0013	...	+ 9.982	+ 0.203	...	...
282	10 Cancri μ^a	+ 3.5374	- 0.0117	+ 0.001	+ 10.085	+ 0.443	+ 0.06	1161
283	15 Argûs	+ 2.5610	+ 0.0009	- 0.008	+ 10.214	+ 0.318	- 0.06	1170
284	γ Argûs -2nd	+ 1.8500	+ 0.0001	+ 0.002	+ 10.468	+ 0.226	+ 0.04	Stone
285	.. ..	+ 1.6406	- 0.0019	...	+ 10.498	+ 0.199	...	...
286	17 Cancri β	+ 3.2620	- 0.0072	- 0.004	+ 10.780	+ 0.397	+ 0.04	1180
287	... ..	+ 1.5849	- 0.0028	...	+ 11.047	+ 0.188	...	...
288	ϵ Argûs	+ 1.2410	- 0.0089	- 0.005	+ 11.508	+ 0.143	- 0.03	Stone
289	33 Cancri η	+ 3.4817	- 0.0129	- 0.004	+ 11.916	+ 0.404	+ 0.05	1207
290	.. ..	+ 1.8394	+ 0.0002	...	+ 12.067	+ 0.209	...	...
291	... ..(1st Star) ..	+ 1.9772	+ 0.0017	...	+ 12.522	+ 0.220	...	...
292	... ..(2nd Star) ..	+ 1.9778	+ 0.0017	...	+ 12.533	+ 0.220	...	...
293	43 Cancri γ	+ 3.4892	- 0.0143	- 0.009	+ 12.647	+ 0.390	+ 0.03	1230
294	11 Hydræ ϵ	+ 3.1952	- 0.0071	- 0.014	+ 12.922	+ 0.351	+ 0.02	1243
295	δ Argûs	+ 1.6559	- 0.0018	0.000	+ 12.985	+ 0.178	+ 0.10	Stone
296	R. P. L. 60	+ 13.5974	- 1.7052	...	+ 13.565	+ 1.455	...	...
297	65 Cancri α	+ 3.2858	- 0.0098	+ 0.001	+ 13.675	+ 0.345	+ 0.02	1269
298	76 Cancri κ	+ 3.2575	- 0.0093	- 0.003	+ 14.261	+ 0.329	- 0.01	1287
299	77 Cancri ξ	+ 3.4001	- 0.0159	- 0.001	+ 14.335	+ 0.343	- 0.03	1289
300	λ Argûs	+ 2.2062	+ 0.0045	- 0.006	+ 14.403	+ 0.218	0.00	Stone
301	Lalande 18251	+ 3.3237	- 0.0118	...	+ 14.744	+ 0.323	...	...
302	β Argûs	+ 0.7126	- 0.0348	- 0.032	+ 14.807	+ 0.064	- 0.09	Stone
303	83 Cancri	+ 3.3661	- 0.0134	- 0.009	+ 14.922	+ 0.323	+ 0.14	1300
304	ι Argûs	+ 1.6103	- 0.0022	...	+ 15.014	+ 0.150	...	...
305	26 Hydræ	+ 2.8926	- 0.0004	- 0.003	+ 15.022	+ 0.274	- 0.02	1314
306	25 Ursæ Majoris θ	+ 4.1524	- 0.0561	- 0.104	+ 15.634	+ 0.374	+ 0.56	1332
307	R Carinae	+ 1.5180	- 0.0042	...	+ 15.870	+ 0.129	...	...
308	... ..	+ 1.4858	- 0.0051	...	+ 15.950	+ 0.124	...	...
309	... ..	+ 1.5023	- 0.0047	...	+ 15.950	+ 0.126	...	...
310	14 Leonis σ	+ 3.2180	- 0.0093	- 0.010	+ 16.162	+ 0.272	+ 0.02	1360
311	17 Leonis ϵ	+ 3.4208	- 0.0180	- 0.004	+ 16.382	+ 0.282	+ 0.01	1368
312	l Carinae	+ 1.6504	- 0.0001	- 0.003	+ 16.526	+ 0.130	- 0.02	Stone
313	ν Argûs	+ 1.5047	- 0.0045	0.000	+ 16.632	+ 0.116	+ 0.01	Stone
314	24 Leonis μ	+ 3.4413	- 0.0198	- 0.019	+ 16.722	+ 0.271	+ 0.05	1384
315	R. P. L. 70	+ 10.5552	- 1.5382	...	+ 16.882	+ 0.824	...	...

Mean Positions of Stars for 1881, January 1st.

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension.			Mean Polar Distance.			Observations.	Fraction of Year.
				h.	m.	s.	°	'	"		
316	27 Leonis ν	5.3	...	9	51	49.34	76	59	19.4	3	0.23
317	R Velorum, Var. 1.	8.6	10	10	1	40.28	141	36	31.7	10	0.28
318	... ..	9.5	5	10	2	33.80	127	19	1.0	5	0.34
319	... ..	9.0	4	10	2	49.80	127	46	40.6	5	0.34
320	... ..	9.5	4	10	2	59.85	126	28	45.4	4	0.34
321	... ..	9.5	2	10	3	8.40	127	21	19.7	2	0.33
322	33 Leonis	8.2	3	10	4	16.64	78	42	32.0	3	0.27
323	R Antliæ, Var. 1.	Var.	...	10	4	37.43	127	8	50.2	10	0.24
324	S Carinæ, Var. 2	Var.	...	10	5	34.48	150	57	59.5	10	0.24
325	... ..	9.2	5	10	6	23.06	126	58	37.9	5	0.34
326	... ..	9.5	5	10	7	1.91	127	34	42.6	5	0.33
327	33 Ursæ Majoris λ	3.6	...	10	9	54.84	46	29	31.2	4	0.36
328	R. P. L. 72	6.0	...	10	12	7.35	5	8	39.4	3	0.50
329	41 Leonis γ^1	2.5	...	10	13	24.53	69	33	23.7	12	0.29
330	34 Ursæ Majoris μ	3.1	...	10	15	13.96	47	54	8.2	5	0.25
331	42 Hydræ μ	4.1	...	10	20	20.12	106	13	45.2	15	0.25
332	... ..	9.4	4	10	26	18.26	146	59	19.7	4	0.31
333	47 Leonis ρ	4.0	...	10	26	32.72	80	4	51.8	5	0.27
334	ρ Carinæ	3.6	...	10	27	47.81	151	4	26.3	4	0.23
335	θ Argus	2.9	...	10	38	42.94	153	46	17.8	5	0.23
336	Taylor 4850—2nd	8.0	4	10	39	21.17	148	55	21.5	4	0.30
337	Taylor 4852—1st	8.0	2	10	39	30.89	148	57	4.0	2	0.29
338	η Argus, Var. 1.	7.6	4	10	40	26.83	149	3	34.5	4	0.27
339	μ Argus	2.9	...	10	41	39.09	138	47	30.3	5	0.27
340	53 Leonis l	5.3	...	10	43	0.05	78	49	30.8	3	0.24
341	Lacaille 4502	7.5	4	10	47	13.41	141	10	6.7	4	0.24
342	T Carinæ, Var.	7.7	10	10	50	32.18	149	53	7.2	10	0.27
343	58 Leonis d	5.0	...	10	54	24.85	85	44	38.9	13	0.29
344	48 Ursæ Maj. β (<i>Markab</i>)	2.6	...	10	54	39.05	32	58	47.3	5	0.32
345	50 Ursæ Maj. a (<i>Dubhe</i>)	2.0	...	10	56	22.34	27	36	24.0	9	0.32
346	63 Leonis χ	4.7	...	10	58	52.59	82	1	14.4	4	0.26
347	R. P. L. 79	7.7	...	10	59	49.97	1	42	49.4	1	0.35
348	52 Ursæ Majoris ψ	3.1	...	11	2	58.05	44	51	22.0	5	0.24
349	68 Leonis δ	2.8	...	11	7	46.69	68	49	27.5	1	0.26
350	12 Crateris δ	3.9	...	11	13	23.47	104	8	4.1	4	0.28

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.	
316	27 Leonis ν ...	+ 3.2370	- 0.0106	- 0.008	+ 16.979	+ 0.245	+ 0.00	1895
317	R Velorum ...	+ 2.2389	+ 0.0033	...	+ 17.439	+ 0.154	...	...
318	... ..	+ 2.5727	+ 0.0099	...	+ 17.479	+ 0.177	...	...
319	... ..	+ 2.5653	+ 0.0100	...	+ 17.491	+ 0.176	...	...
320	... ..	+ 2.5893	+ 0.0097	...	+ 17.497	+ 0.177	...	...
321	... ..	+ 2.5742	+ 0.0100	...	+ 17.503	+ 0.176	...	...
322	33 Leonis ...	+ 3.2622	- 0.0123	+ 0.005	+ 17.536	+ 0.223	+ 0.01	Gr.
323	R Antlia ...	+ 2.5837	+ 0.0100	...	+ 17.565	+ 0.174	...	...
324	S Carinae ...	+ 1.9191	+ 0.0087	...	+ 17.606	+ 0.126	...	...
325	... ..	+ 2.5935	+ 0.0103	...	+ 17.640	+ 0.172	...	...
326	... ..	+ 2.5855	+ 0.0105	...	+ 17.667	+ 0.171	...	...
327	33 Ursae Majoris λ ...	+ 3.6587	- 0.0386	- 0.017	+ 17.784	+ 0.240	+ 0.06	1421
328	R. P. L. 72 ...	+ 9.8073	- 1.5935	- 0.096	+ 17.874	+ 0.641	- 0.04	1399
329	41 Leonis γ^1 ...	+ 3.2958	- 0.0143	+ 0.021	+ 17.923	+ 0.208	+ 0.14	1432
330	34 Ursae Majoris μ ...	+ 3.6055	- 0.0361	- 0.008	+ 17.995	+ 0.225	- 0.03	1434
331	42 Hydrae μ ...	+ 2.9083	+ 0.0040	- 0.010	+ 18.188	+ 0.171	+ 0.06	1451
332	... ..	+ 2.2546	+ 0.0171	...	+ 18.401	+ 0.123	...	...
333	47 Leonis ρ ...	+ 3.1650	- 0.0080	- 0.001	+ 18.410	+ 0.176	- 0.01	1467
334	ρ Carinae ...	+ 2.1251	+ 0.0165	...	+ 18.452	+ 0.114	...	...
335	0 Argus ...	+ 2.1299	+ 0.0199	0.000	+ 18.806	+ 0.100	+ 0.02	Stone
336	Taylor 4850—2nd ...	+ 2.3077	+ 0.0211	...	+ 18.824	+ 0.109	...	...
337	Taylor 4852—1st ...	+ 2.3084	+ 0.0213	...	+ 18.832	+ 0.108	...	...
338	η Argus ...	+ 2.3136	+ 0.0217	...	+ 18.857	+ 0.107	...	...
339	μ Argus ...	+ 2.5605	+ 0.0194	...	+ 18.893	+ 0.117	...	...
340	53 Leonis l ...	+ 3.1594	- 0.0080	- 0.002	+ 18.933	+ 0.145	+ 0.02	1500
341	Lacaille 4502 ...	+ 2.5538	+ 0.0215	...	+ 19.049	+ 0.109	...	...
342	T Carinae ...	+ 2.3844	+ 0.0256	...	+ 19.140	+ 0.096	...	...
343	58 Leonis ι ...	+ 3.1004	- 0.0039	- 0.002	+ 19.238	+ 0.120	+ 0.01	1526
344	48 Ursae Majoris β ...	+ 3.6518	- 0.0629	+ 0.009	+ 19.245	+ 0.142	- 0.05	1523
345	50 Ursae Majoris α ...	+ 3.7730	- 0.0821	- 0.018	+ 19.286	+ 0.144	+ 0.07	1528
346	63 Leonis χ ...	+ 3.1217	- 0.0056	- 0.026	+ 19.345	+ 0.113	+ 0.02	1535
347	R. P. L. 79 ...	+ 14.6697	- 8.2520	...	+ 19.367	+ 0.547	...	...
348	52 Ursae Majoris ψ ...	+ 3.4033	- 0.0368	- 0.007	+ 19.436	+ 0.115	+ 0.04	1542
349	68 Leonis δ ...	+ 3.1893	- 0.0132	+ 0.010	+ 19.536	+ 0.098	+ 0.12	1546
350	12 Crateris δ ...	+ 3.0043	+ 0.0064	- 0.011	+ 19.641	+ 0.081	- 0.21	1557

Mean Positions of Stars for 1881, January 1st.

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension.			Mean Polar Distance.			Observations.	Fraction of Year.
				h.	m.	s.	°	'	"		
351	Taylor 5172 ...	7.4	6	11	14	51.06	84	27	57.8	6	0.28
352	77 Leonis σ ...	4.1	...	11	15	0.09	83	19	0.2	7	0.25
353	Taylor 5195 ...	5.8	...	11	17	26.95	125	30	44.2	4	0.27
354	14 Crateris ϵ ...	5.0	...	11	18	35.89	100	12	23.7	4	0.29
355	84 Leonis τ ...	5.1	...	11	21	49.02	86	29	18.0	10	0.27
356	Lalande 21819 ...	8.0	4	11	21	49.81	86	30	50.2	4	0.26
357	1 Draconis λ ...	4.1	...	11	24	19.23	20	0	42.1	5	0.31
358	91 Leonis ν ...	4.5	...	11	30	51.29	90	10	0.2	8	0.27
359	Taylor 5372 ...	8.3	6	11	36	2.10	84	35	37.4	0	0.28
360	2 Virginis ξ ...	4.9	...	11	39	8.80	81	4	48.4	4	0.28
361	3 Virginis ν ...	4.2	...	11	39	44.67	82	18	12.2	1	0.25
362	94 Leonis β (<i>Deneb</i>) ...	2.2	...	11	42	59.34	74	45	43.5	4	0.31
363	Groombridge 1830 ...	7.2	10	11	46	6.94	51	25	11.4	10	0.28
364	Taylor 5450 ...	8.6	2	11	47	58.26	84	27	32.0	3	0.27
365	8 Virginis π ...	4.4	...	11	54	46.53	82	43	18.5	14	0.33
366	R. P. L. 89 ...	6.3	...	11	53	44.76	3	45	15.0	4	0.85
367	5 Centauri ...	2.8	...	12	2	11.80	140	3	34.3	5	0.27
368	Taylor 5574 ...	7.3	4	12	3	35.08	141	7	10.5	4	0.27
369	2 Corvi ϵ ...	3.1	...	12	4	0.41	111	57	27.5	2	0.30
370	5 Crucis ...	3.4	...	12	8	49.94	148	5	11.2	5	0.27
371	4 Corvi γ ...	2.8	...	12	9	41.16	106	52	51.1	5	0.28
372	15 Virginis η ...	4.0	...	12	18	49.04	90	0	18.8	8	0.31
373	16 Virginis c ...	5.2	...	12	14	18.35	86	1	27.7	9	0.29
374	... ..	9.0	1	12	18	12.32	24	48	42.7	1	0.26
375	7 Corvi δ ...	3.1	...	12	23	42.61	105	51	10.8	14	0.36
376	γ Crucis ...	2.0	...	12	24	34.24	146	26	48.0	5	0.28
377	G. C. Z. XII. 1548 ...	8.9	4	12	25	35.36	151	4	10.5	4	0.31
378	... ..	9.6	5	12	25	49.37	159	16	6.1	5	0.29
379	9 Corvi β ...	2.8	...	12	28	8.12	112	44	18.6	5	0.37
380	5 Draconis κ ...	3.8	...	12	28	23.86	19	33	18.8	5	0.34
381	Lacaille 5219 ...	8.1	5	12	30	53.32	158	56	52.6	5	0.27
382	R. Muscae, Var. 1. ...	Var.	...	12	34	49.92	158	45	16.1	10	0.31
383	γ Centauri ...	2.4	...	12	34	57.53	138	18	21.9	5	0.34
384	29 Virginis γ^1 ...	3.5	...	12	35	37.87	90	47	42.5	4	0.38
385	... ..	8.3	5	12	37	42.54	153	22	41.8	5	0.27

359.—Comparison star for Mars in 1871.

366.—Groombridge 1850.

374.—Comparison star for Comet 2, 1861.

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.	
351	Taylor 5172 ...	+ 3.0977	- 0.0035	...	+ 19.666	+ 0.081	...	...
352	77 Leonis σ ...	+ 3.1029	- 0.0042	- 0.007	+ 19.608	+ 0.081	0.00	1558
353	Taylor 5195 ...	+ 2.8962	+ 0.0181	...	+ 19.709	+ 0.072	...	...
354	14 Crateris ϵ ...	+ 3.0291	+ 0.0047	- 0.004	+ 19.727	+ 0.072	- 0.05	1563
355	84 Leonis τ ...	+ 3.0860	- 0.0020	- 0.001	+ 19.776	+ 0.066	+ 0.01	1570
356	Lalande 21819 ...	+ 3.0858	- 0.0021	...	+ 19.776	+ 0.068	...	...
357	1 Draconis λ ...	+ 3.6411	- 0.1117	- 0.009	+ 19.811	+ 0.074	+ 0.03	1572
358	91 Leonis ν ...	+ 3.0718	+ 0.0003	- 0.002	+ 19.802	+ 0.040	- 0.05	1586
359	Taylor 5372 ...	+ 3.0855	- 0.0023	...	+ 19.944	+ 0.030	...	...
360	2 Virginis ξ ...	+ 3.0914	- 0.0040	+ 0.004	+ 19.971	+ 0.033	+ 0.01	1599
361	3 Virginis ν ...	+ 3.0873	- 0.0031	- 0.003	+ 19.973	+ 0.032	+ 0.17	1601
362	94 Leonis β ...	+ 3.0994	- 0.0074	- 0.036	+ 19.999	+ 0.025	+ 0.10	1605
363	Groombridge 1830 ...	+ 3.1371	- 0.0237	+ 0.346	+ 20.017	+ 0.019	+ 5.78	Gr.
364	Taylor 5450 ...	+ 3.0791	- 0.0017	...	+ 20.026	+ 0.015	...	...
365	8 Virginis π ...	+ 3.0761	- 0.0023	- 0.003	+ 20.043	+ 0.002	+ 0.02	1618
366	R. P. L. 89 ...	+ 3.1843	- 0.4367	...	+ 20.054	- 0.006	...	...
367	δ Centauri ...	+ 3.0876	+ 0.0380	0.000	+ 20.053	- 0.013	+ 0.01	Stone
368	Taylor 5574 ...	+ 3.0983	+ 0.0395	...	+ 20.051	- 0.015	...	...
369	2 Corvi ϵ ...	+ 3.0818	+ 0.0142	- 0.006	+ 20.051	- 0.010	- 0.02	1626
370	δ Crucis ...	+ 3.1552	+ 0.0526	0.000	+ 20.039	- 0.026	+ 0.05	Stone
371	4 Corvi γ ...	+ 3.0895	+ 0.0116	- 0.012	+ 20.035	- 0.028	- 0.03	1638
372	15 Virginis η ...	+ 3.0723	+ 0.0027	- 0.006	+ 20.017	- 0.035	+ 0.02	1647
373	16 Virginis c ...	+ 3.0606	+ 0.0006	- 0.021	+ 20.014	- 0.036	+ 0.06	1652
374	... ..	+ 2.8428	- 0.0523	...	+ 19.990	- 0.041	...	...
375	7 Corvi δ ...	+ 3.1115	+ 0.0118	- 0.014	+ 19.947	- 0.055	+ 0.15	1675
376	γ Crucis ...	+ 3.2880	+ 0.0542	0.000	+ 19.940	- 0.060	+ 0.30	Stone
377	G. C. Z. XII. 1548 ...	+ 3.3418	+ 0.0658	...	+ 19.929	- 0.061	...	...
378	... ..	+ 3.4694	+ 0.1014	...	+ 19.927	- 0.065	...	...
379	9 Corvi β ...	+ 3.1400	+ 0.0164	- 0.003	+ 19.903	- 0.064	+ 0.05	1685
380	5 Draconis κ ...	+ 2.6072	- 0.0548	- 0.016	+ 19.900	- 0.055	+ 0.00	1689
381	Lacaille 5219 ...	+ 3.5390	+ 0.1033	...	+ 19.871	- 0.078	...	...
382	R Muscæ ...	+ 3.5930	+ 0.1048	...	+ 19.823	- 0.087	...	...
383	γ Centauri ...	+ 3.3001	+ 0.0418	...	+ 19.820	- 0.028	...	...
384	29 Virginis γ^1 ...	+ 3.0752	+ 0.0043	- 0.030	+ 19.812	- 0.078	- 0.02	1698
385	... ..	+ 3.6248	+ 0.1044	...	+ 19.782	- 0.094	...	...

Mean Positions of Stars for 1881, January 1st.

Number	Star.	Magnitude.	Estimations.	Mean Right Ascension.			Mean Polar Distance.			Observations.	Fraction of Year.
				h.	m.	s.	°	'	"		
386	Lacaille 5255	7.5	4	12	37	43.85	158	10	45.7	5	0.38
387	β Crucis	1.7	...	12	40	46.63	149	2	17.8	5	0.34
388	Brisbane 4197	8.8	2	12	41	46.65	141	53	27.7	2	0.32
389	Brisbane 4200	8.9	3	12	42	37.41	141	55	5.9	3	0.32
390	... ..	8.3	5	12	43	39.81	158	59	48.9	5	0.29
391	... ..	8.5	5	12	46	38.01	159	23	28.0	5	0.31
392	R. P. L. 99	5.6	...	12	48	15.80	5	56	23.4	4	0.68
393	... ..	9.1	5	12	48	39.41	99	47	16.7	5	0.32
394	43 Virginis δ	3.7	...	12	49	36.61	85	57	19.8	21	0.37
395	O. A. S. 12539	7.7	...	12	50	54.42	118	13	20.4	1	0.36
396	... ..	9.5	3	12	51	53.64	106	7	38.9	3	0.35
397	47 Virginis ϵ	3.0	...	12	56	15.16	78	24	2.3	12	0.34
398	δ Centauri, Var. 2.	7.8	9	13	3	44.02	142	16	23.4	10	0.35
399	51 Virginis θ	4.4	...	13	3	47.41	94	54	12.2	6	0.38
400	ι Centauri	3.0	...	13	13	54.62	126	5	2.1	5	0.33
401	O. A. N. 13563	8.0	4	13	16	2.67	27	58	34.4	4	0.35
402	67 Virginis α (<i>Spica</i>)	1.2	...	13	18	55.44	100	32	24.1	8	0.41
403	79 Ursæ Majoris ζ -1st	2.6	...	13	19	7.87	34	27	7.6	5	0.35
404	79 Ursæ Majoris ζ -2nd... ..	4.2	...	13	19	8.59	34	27	19.7	5	0.37
405	74 Virginis l^2	4.9	...	13	25	46.67	95	38	25.7	3	0.34
406	79 Virginis ζ	3.5	...	13	28	37.81	89	59	13.8	2	0.37
407	80 Virginis	5.8	...	13	29	19.86	94	47	22.3	4	0.37
408	Taylor 6294	6.5	4	13	30	12.04	135	49	7.4	4	0.37
409	ϵ Centauri... ..	2.6	...	13	32	21.28	142	51	38.4	5	0.38
410	κ Bootis τ	4.5	...	13	41	36.44	71	56	59.2	13	0.40
411	ν Centauri	3.7	...	13	42	22.18	131	5	30.2	5	0.36
412	μ Centauri... ..	3.4	...	13	42	27.12	131	52	49.3	5	0.39
413	85 Ursæ Majoris η	2.0	...	13	42	50.86	40	5	32.7	3	0.39
414	... ..	9.5	4	13	46	23.65	128	28	10.2	4	0.43
415	ζ Centauri... ..	2.7	...	13	48	7.26	136	42	6.7	5	0.35
416	δ Bootis η	2.9	...	13	49	1.26	71	0	21.2	1	0.38
417	β Centauri	1.2	...	13	55	26.07	149	47	55.8	6	0.36
418	93 Virginis τ	4.4	...	13	55	35.52	87	52	46.8	1	0.40
419	ϵ Centauri θ	2.2	...	13	59	40.94	125	47	4.3	5	0.37
420	94 Virginis	6.8	...	13	59	59.74	98	19	23.1	4	0.40

392.—Groombridge 1940.

395.—Comparison star for Danaë in 1869.

401.—Comparison star for Comet 2, 1861.

393.—Comparison star for Sappho in 1881.

396.—Comparison star for Encke's Comet in 1878.

408.—Comparison star for Comet in 1873.

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.	
386	Lacaille 5255 ...	+ 3·6196	+ 0·1032	...	+ 19·781	- 0·094	...	...
387	β Crucis ...	+ 3·4667	+ 0·0654	- 0·009	+ 19·737	- 0·097	+ 0·03	Stone
388	Brisbane 4197 ...	+ 3·3933	+ 0·0490	...	+ 19·722	- 0·095	...	...
389	Brisbane 4200 ...	+ 3·3893	+ 0·0490	...	+ 19·708	- 0·097	...	...
390	... ..	+ 3·7317	+ 0·1128	...	+ 19·691	- 0·110	...	...
391	... ..	+ 3·7910	+ 0·1181	...	+ 19·640	- 0·120	...	...
392	R. P. L. 99 ...	+ 0·3863	- 0·2159	- 0·017	+ 19·611	- 0·020	- 0·02	1730
393	... ..	+ 3·1210	+ 0·0097	...	+ 19·604	- 0·103	...	...
394	43 Virginis δ ...	+ 3·0521	+ 0·0025	- 0·034	+ 19·587	- 0·103	+ 0·05	1723
395	O. A. S. 12539 ...	+ 3·2289	+ 0·0217	...	+ 19·570	- 0·110	...	...
396	... ..	+ 3·1501	+ 0·0137	...	+ 19·542	- 0·111	...	...
397	47 Virginis ϵ ...	+ 3·0057	- 0·0007	- 0·019	+ 19·453	- 0·114	- 0·03	1735
398	S Centauri ...	+ 3·5467	+ 0·0536	...	+ 19·284	- 0·149	...	...
399	51 Virginis θ ...	+ 3·1039	+ 0·0078	- 0·004	+ 19·282	- 0·132	+ 0·04	1747
400	ι Centauri ...	+ 3·3910	+ 0·0305	...	+ 19·020	- 0·164	...	...
401	O. A. N. 13563 ...	+ 2·2525	- 0·0189	...	+ 18·960	- 0·114	...	...
402	67 Virginis α ...	+ 3·1563	+ 0·0116	- 0·004	+ 18·876	- 0·163	+ 0·02	1774
403	79 Ursæ Majoris ζ -1 st	+ 2·4129	- 0·0172	+ 0·013	+ 18·870	- 0·127	+ 0·02	1776
404	79 Ursæ Majoris ζ -2 nd	+ 2·4127	- 0·0172	+ 0·015	+ 18·870	- 0·127	+ 0·03	1777
405	74 Virginis ι^a ...	+ 3·1205	+ 0·0091	- 0·008	+ 18·667	- 0·174	+ 0·03	1784
406	79 Virginis ζ ...	+ 3·0722	+ 0·0064	- 0·021	+ 18·572	- 0·176	- 0·06	1789
407	80 Virginis ...	+ 3·1149	+ 0·0088	- 0·001	+ 18·550	- 0·180	- 0·10	1790
408	Taylor 6294 ...	+ 3·5999	+ 0·0443	...	+ 18·521	- 0·208	...	...
409	ϵ Centauri ...	+ 3·7645	+ 0·0588	- 0·018	+ 18·446	- 0·223	+ 0·02	Stone
410	δ Bootis τ ...	+ 2·8855	- 0·0007	- 0·035	+ 18·115	- 0·188	- 0·04	1810
411	ν Centauri ...	+ 3·5759	+ 0·0379	...	+ 18·087	- 0·233	...	...
412	μ Centauri ...	+ 3·5905	+ 0·0390	+ 0·001	+ 18·084	- 0·234	- 0·02	Stone
413	85 Ursæ Majoris η ...	+ 2·3833	- 0·0103	- 0·012	+ 18·068	- 0·159	+ 0·01	1815
414	... ..	+ 3·5479	+ 0·0346	...	+ 17·932	- 0·238	...	...
415	ζ Centauri ...	+ 3·7170	+ 0·0469	- 0·012	+ 17·864	- 0·254	+ 0·05	Stone
416	8 Bootis η ...	+ 2·8616	- 0·0006	- 0·005	+ 17·827	- 0·199	+ 0·34	1821
417	β Centauri ...	+ 4·1800	+ 0·0841	- 0·010	+ 17·563	- 0·301	+ 0·05	Stone
418	93 Virginis τ ...	+ 3·0484	+ 0·0064	- 0·001	+ 17·557	- 0·222	+ 0·03	1829
419	5 Centauri θ ...	+ 3·5529	+ 0·0318	- 0·043	+ 17·381	- 0·265	+ 0·56	Stone
420	94 Virginis ...	+ 3·1702	+ 0·0115	- 0·003	+ 17·368	- 0·237	- 0·01	1833

Mean Positions of Stars for 1881, January 1st.

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension.			Mean Polar Distance.			Observations.	Fraction of Year.
				h.	m.	s.	°	'	"		
421	95 Virginis ...	5.7	...	14	0	25.12	98	44	41.6	1	0.40
422	Taylor 6585 ...	8.9	4	14	2	22.58	124	18	57.2	4	0.44
423	Lacaille 5844 ...	8.0	4	14	6	18.29	151	8	58.6	4	0.39
424	98 Virginis κ ...	4.8	...	14	6	32.84	99	43	5.7	2	0.37
425	Taylor 6616 ...	5.6	...	14	6	40.22	146	31	39.7	4	0.40
426	16 Bootis α (<i>Arcturus</i>) ...	0.0	...	14	10	13.97	70	11	51.0	3	0.44
427	100 Virginis λ ...	4.6	...	14	12	40.29	102	49	20.6	9	0.42
428	... ..	9.7	4	14	13	36.38	136	54	36.8	4	0.38
429	... ..	8.5	...	14	20	34.75	124	43	1.9	4	0.38
430	22 Bootis <i>f</i>	5.4	...	14	20	55.30	70	14	14.7	19	0.41
431	25 Bootis ρ ...	3.6	...	14	26	42.06	59	6	19.9	7	0.47
432	27 Bootis γ ...	3.1	...	14	27	17.03	51	10	13.9	4	0.43
433	η Centauri... ..	2.5	...	14	27	57.20	131	38	3.9	5	0.38
434	α^1 Centauri ...	1.0	...	14	31	31.08	150	20	33.7	5	0.46
435	α^2 Centauri ...	3.5	...	14	31	31.39	150	20	26.5	1	0.55
436	29 Bootis π —1st ...	5.0	...	14	35	7.90	73	4	14.4	5	0.40
437	30 Bootis ζ ...	3.8	...	14	35	27.93	75	45	38.0	5	0.41
438	5 Libræ ...	6.2	...	14	39	24.14	104	57	24.2	4	0.43
439	36 Bootis ϵ (<i>Mirac</i>) ...	2.6	...	14	39	47.34	62	25	23.7	5	0.45
440	9 Libræ α^2 ...	3.0	...	14	44	17.74	105	32	46.7	6	0.41
441	37 Bootis ξ —2nd ...	4.6	...	14	45	54.04	70	24	16.4	5	0.40
442	β Lupi ...	2.8	...	14	50	44.41	132	39	7.3	5	0.41
443	κ Centauri... ..	3.3	...	14	51	25.30	131	37	32.1	5	0.39
444	... ..	9.5	4	14	51	28.74	130	36	19.9	4	0.46
445	20 Libræ ...	3.2	...	14	57	6.32	114	43	45.3	5	0.40
446	42 Bootis β ...	3.6	...	14	57	27.73	49	8	20.7	5	0.42
447	T Trianguli Aust., Var. ...	Var.	...	14	58	41.00	158	15	39.9	4	0.56
448	43 Bootis ψ ...	4.5	...	14	59	20.82	62	35	14.5	1	0.46
449	21 Libræ ν^1 ...	5.4	...	14	59	59.39	105	47	40.4	3	0.41
450	R. P. L. 111 ...	7.0	...	15	3	47.47	5	35	18.6	3	0.02
451	γ Trianguli Australis ...	3.1	...	15	7	49.58	158	14	19.7	2	0.56
452	R Trianguli Australis ...	Var.	...	15	9	8.51	156	3	28.3	10	0.43
453	27 Libræ β ...	2.7	...	15	10	36.24	98	56	33.4	7	0.43
454	49 Bootis δ —1st ...	3.5	...	15	10	42.23	56	14	25.4	5	0.41
455	13 Ursæ Minoris γ ...	3.2	...	15	20	55.56	17	44	32.1	4	0.41

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.	
421	95 Virginis ...	+ 3.1755	+ 0.0118	- 0.012	+ 17.349	- 0.238	- 0.02	1834
422	Taylor 6585 ...	+ 3.5368	+ 0.0302	...	+ 17.261	- 0.268	...	...
423	Lacaille 5844 ...	+ 4.3431	+ 0.0912	...	+ 17.085	- 0.335	...	...
424	98 Virginis κ ...	+ 3.1025	+ 0.0122	- 0.000	+ 17.074	- 0.250	- 0.14	1842
425	Taylor 6616 ...	+ 4.1338	+ 0.0719	...	+ 17.068	- 0.320	...	...
426	16 Bootis α ...	+ 2.8131	+ 0.0004	- 0.080	+ 16.902	- 0.227	+ 1.98	1847
427	100 Virginis λ ...	+ 3.2388	+ 0.0140	- 0.003	+ 16.787	- 0.264	- 0.03	1850
428	... ..	+ 3.8590	+ 0.0477	...	+ 16.742	- 0.314	...	...
429	... ..	+ 3.6053	+ 0.0306	...	+ 16.398	- 0.308	...	...
430	22 Bootis f ...	+ 2.7953	+ 0.0009	- 0.006	+ 16.380	- 0.242	- 0.03	1864
431	25 Bootis ρ ...	+ 2.5945	- 0.0015	- 0.009	+ 16.084	- 0.233	- 0.13	1869
432	27 Bootis γ ...	+ 2.4274	- 0.0027	- 0.011	+ 16.053	- 0.219	- 0.15	1871
433	η Centauri ...	+ 3.7872	+ 0.0389	- 0.009	+ 16.028	- 0.339	- 0.01	Stone
434	α^1 Centauri ...	+ 4.5145	+ 0.0878	- 0.476	+ 15.825	- 0.410	- 0.81	Stone
435	α^2 Centauri ...							
436	29 Bootis π -1st ...	+ 2.8174	+ 0.0024	- 0.001	+ 15.632	- 0.264	+ 0.01	1875
437	30 Bootis ζ ...	+ 2.8594	+ 0.0033	+ 0.002	+ 15.614	- 0.268	+ 0.01	1876
438	5 Libræ ...	+ 3.2995	+ 0.0152	- 0.003	+ 15.433	- 0.314	- 0.01	1882
439	36 Bootis ϵ ...	+ 2.6240	- 0.0001	- 0.004	+ 15.374	- 0.252	- 0.00	1890
440	9 Libræ α^2 ...	+ 3.3166	+ 0.0154	- 0.009	+ 15.118	- 0.324	+ 0.07	1894
441	37 Bootis ξ -2nd ...	+ 2.7571	+ 0.0021	+ 0.009	+ 15.026	- 0.272	+ 0.10	1898
442	β Lupi ...	+ 3.9073	+ 0.0392	- 0.014	+ 14.741	- 0.392	+ 0.03	Stone
443	κ Centauri ...	+ 3.8803	+ 0.0378	...	+ 14.701	- 0.390	...	...
444	... ..	+ 3.8522	+ 0.0363	...	+ 14.698	- 0.386	...	...
445	20 Libræ ...	+ 3.5038	+ 0.0207	...	+ 14.358	- 0.362	- 0.06	Stone
446	42 Bootis β ...	+ 2.2636	0.0000	- 0.005	+ 14.332	- 0.237	+ 0.04	1918
447	T Trianguli Australis.	+ 5.4204	+ 0.1423	...	+ 14.261	- 0.561	...	...
448	43 Bootis ψ ...	+ 2.5835	+ 0.0010	- 0.015	+ 14.221	- 0.271	+ 0.01	1922
449	21 Libræ ν^1 ...	+ 3.3398	+ 0.0153	- 0.005	+ 14.181	- 0.349	+ 0.03	1919
450	R. P. L. 111 ...	- 6.7471	+ 1.1573	...	+ 13.943	+ 0.701	...	...
451	γ Trianguli Australis.	+ 5.5199	+ 0.1397	- 0.018	+ 13.687	- 0.593	+ 0.03	Stone.
452	R Trianguli Australis.	+ 5.2845	+ 0.1188	...	+ 13.604	- 0.570	...	...
453	27 Libræ β ...	+ 3.2278	+ 0.0117	- 0.008	+ 13.509	- 0.353	+ 0.02	1934
454	49 Bootis δ -1st. ...	+ 2.4116	+ 0.0010	+ 0.007	+ 13.503	- 0.266	+ 0.11	1936
455	13 Ursæ Minoris γ	- 0.1398	+ 0.0750	+ 0.004	+ 12.828	+ 0.010	- 0.02	1962

Mean Positions of Stars for 1881, January 1st.

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension.			Mean Polar Distance.			Observations.	Fraction of Year.
				h.	m.	s.	°	'	"		
456	12 Draconis ϵ	3.4	...	15	22	16.94	80	36	59.5	5	0.42
457	γ Lupi	3.2	...	15	27	12.82	130	45	54.5	5	0.45
458	38 Libræ γ	4.0	...	15	28	52.23	104	23	28.1	6	0.49
459	δ Serpantis—2nd... ..	5.3	...	15	29	6.96	79	3	44.8	5	0.42
460	24 Serpantis α	2.7	...	15	38	24.36	83	11	55.9	2	0.39
461	28 Serpantis β	3.8	...	15	40	41.74	74	12	^{18.8} 20.1	5	0.41
462	32 Serpantis μ	3.5	...	15	43	24.66	93	3	53.7	5	0.46
463	β Trianguli Australis	3.1	...	15	44	40.45	153	3	42.4	5	0.55
464	37 Serpantis ϵ	3.7	...	15	44	53.05	85	9	47.0	12	0.51
465	R. P. L. 115	7.0	...	15	45	43.57	4	47	2.5	5	0.31
466	46 Libræ θ	4.3	...	15	47	2.87	106	22	43.9	2	0.40
467	41 Serpantis γ	4.0	...	15	50	57.38	78	56	57.4	5	0.44
468	6 Scorpii π	3.1	...	15	51	39.29	115	46	12.3	5	0.47
469	7 Scorpii δ	2.5	...	15	53	17.81	112	16	53.8	5	0.51
470	Lacaille 6612	9.0	...	15	53	37.99	150	9	49.7	1	0.56
471	8 Scorpii β^1	3.0	...	15	53	31.10	109	23	41.0	4	0.49
472	13 Draconis θ	4.2	...	15	59	39.61	31	6	58.0	5	0.50
473	9 Scorpii ω^1	4.1	...	15	59	50.63	110	20	44.2	4	0.43
474	R. P. L. 116	7.0	...	16	1	12.62	4	21	33.1	1	0.09
475	δ Trianguli Australis	4.3	...	16	4	37.05	153	22	49.3	4	0.51
476	1 Ophiuchi δ	2.8	...	16	8	6.55	93	23	10.4	9	0.51
477	γ^1 Normæ... ..	5.4	...	16	8	6.61	139	46	5.4	2	0.47
478	... ..	10.0	3	16	10	43.64	112	36	9.8	3	0.56
479	γ^2 Normæ... ..	4.6	...	16	10	56.35	139	51	42.1	4	0.47
480	2 Ophiuchi ϵ	3.4	...	16	12	1.54	94	24	6.0	5	0.53
481	19 Ursæ Minoris	5.5	...	16	14	13.61	13	49	23.4	2	0.57
482	O. A. S. 15571	7.0	3	16	16	4.00	106	44	13.5	3	0.50
483	20 Herculis γ	3.8	...	16	16	40.19	70	33	57.8	5	0.54
484	ϵ Trianguli Australis	5.8	...	16	16	54.76	153	47	6.1	4	0.47
485	4 Ophiuchi ψ	4.6	...	16	17	8.38	109	45	26.5	1	0.61
486	21 Coronæ Borealis ν^2	5.0	..	16	18	0.03	56	1	8.4	1	0.57
487	21 Ursæ Minoris η	5.0	...	16	20	59.45	13	58	14.8	1	0.58
488	25 Herculis	5.5	...	16	21	9.68	52	20	4.8	1	0.43
489	Radcliffe 3553	5.7	...	16	21	49.01	34	31	25.9	5	0.53
490	21 Scorpii α (<i>Antares</i>)	1.1	...	16	22	6.73	116	9	58.7	3	0.52

458.—Comparison star for Comet in 1867.

474.—Carrington 2423.

465.—Carrington 2380.

478.—Comparison star for R, S, and T Scorpii.

482.—Comparison star for Sylvia in 1879.

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.	
456	12 Draconis ι ...	+ 1.3272	+ 0.0133	- 0.002	+ 12.734	- 0.155	- 0.02	1957
457	γ Lupi ...	+ 3.9780	+ 0.0331	- 0.005	+ 12.402	- 0.460	+ 0.02	Stone
458	38 Libræ γ ...	+ 3.3435	+ 0.0136	+ 0.004	+ 12.296	- 0.389	- 0.02	1964
459	δ Serpentis ...	+ 2.8679	+ 0.0052	- 0.006	+ 12.270	- 0.336	- 0.02	1969
460	24 Serpentis α ...	+ 2.9424	+ 0.0062	+ 0.008	+ 11.617	- 0.354	- 0.06	1990
461	28 Serpentis β ...	+ 2.7619	+ 0.0043	+ 0.003	+ 11.463	- 0.336	+ 0.04	1996
462	32 Serpentis μ ...	+ 3.1316	+ 0.0089	- 0.008	+ 11.257	- 0.383	+ 0.01	2001
463	β Trianguli Australis.	+ 5.2577	+ 0.0864	- 0.027	+ 11.165	- 0.640	+ 0.43	Stone
464	37 Serpentis ϵ ...	+ 2.9783	+ 0.0066	+ 0.007	+ 11.150	- 0.365	- 0.06	2005
465	R. P. L. 115 ...	- 10.2370	+ 1.5265	...	+ 11.088	+ 1.239	...	...
466	46 Libræ θ ...	+ 3.4011	+ 0.0136	+ 0.007	+ 10.993	- 0.418	+ 0.13	2011
467	41 Serpentis γ ...	+ 2.7470	+ 0.0043	+ 0.019	+ 10.704	- 0.344	+ 1.29	2023
468	6 Scorpis π ...	+ 3.6191	+ 0.0179	- 0.008	+ 10.653	- 0.452	+ 0.03	2020
469	7 Scorpis δ ...	+ 3.5387	+ 0.0159	- 0.002	+ 10.530	- 0.443	+ 0.03	2024
470	Lacaille 6612 ...	+ 5.0578	+ 0.0694	...	+ 10.505	- 0.632	...	...
471	8 Scorpis β^1 ...	+ 3.4803	+ 0.0142	- 0.003	+ 10.139	- 0.441	+ 0.03	2034
472	13 Draconis θ ...	+ 1.1560	+ 0.0145	- 0.037	+ 10.052	- 0.150	- 0.35	2053
473	9 Scorpis ω^1 ...	+ 3.5012	+ 0.0106	- 0.003	+ 10.038	- 0.440	+ 0.02	2039
474	R. P. L. 116 ...	- 12.1622	+ 1.7453	...	+ 9.935	+ 1.536	...	...
475	δ Trianguli Australis.	+ 5.4087	+ 0.0791	...	+ 9.674	- 0.694	...	...
476	1 Ophiuchi δ ...	+ 3.1422	+ 0.0081	- 0.005	+ 9.407	- 0.408	+ 0.14	2065
477	γ^1 Normæ ...	+ 4.4680	+ 0.0383	...	+ 9.406	- 0.579	...	...
478	... ..	+ 3.5669	+ 0.0147	...	+ 9.203	- 0.465	...	...
479	γ^2 Normæ ...	+ 4.4817	+ 0.0378	- 0.018	+ 9.187	- 0.524	+ 0.06	Stone
480	2 Ophiuchi ϵ ...	+ 3.1641	+ 0.0083	+ 0.004	+ 9.102	- 0.415	- 0.03	2073
481	19 Ursæ Minoris ...	- 1.7926	+ 0.1266	- 0.005	+ 8.930	+ 0.231	- 0.00	2096
482	O. A. S. 15571 ...	+ 3.4337	+ 0.0117	...	+ 8.786	- 0.454	...	...
483	20 Herculis γ ...	+ 2.6478	+ 0.0038	- 0.005	+ 8.789	- 0.351	- 0.05	2084
484	ι Trianguli Australis.	+ 5.5175	+ 0.0745	...	+ 8.720	- 0.727	...	...
485	4 Ophiuchi ψ ...	+ 3.5049	+ 0.0128	- 0.003	+ 8.701	- 0.464	+ 0.06	2082
486	21 Coronæ Borealis ν^2 ...	+ 2.2590	+ 0.0032	...	+ 8.634	- 0.301	...	...
487	21 Ursæ Minoris η ...	- 1.8076	+ 0.1185	- 0.019	+ 8.396	+ 0.237	- 0.25	2111
488	25 Herculis ...	+ 2.1348	+ 0.0035	- 0.001	+ 8.383	- 0.287	+ 0.01	2093
489	Radcliffe 3553 ...	+ 1.3045	+ 0.0103	+ 0.004	+ 8.331	- 0.177	+ 0.01	Romberg
490	21 Scorpis α ...	+ 3.6702	+ 0.0150	- 0.002	+ 8.308	- 0.491	+ 0.03	2091

Mean Positions of Stars for 1881, 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>		
491	θ Trianguli Australis ...	6.0	...	16	24	18.07	155	14	27.6	5	0.52
492	ρ Ophiuchi ...	4.7	...	16	25	5.06	111	12	37.5	4	0.50
493	β Herculis ...	2.8	...	16	25	6.17	68	15	0.0	4	0.53
494	τ Scorpii ...	2.9	...	16	28	28.52	117	58	3.2	4	0.49
495	ζ Ophiuchi ...	2.8	...	16	30	36.39	100	19	29.6	10	0.55
496	Lacaille 6881 ...	5.6	2	16	31	20.31	157	11	51.8	2	0.52
497	ζ Herculis ...	3.1	...	16	36	47.99	58	10	50.0	4	0.54
498	η Herculis ...	3.7	...	16	38	49.04	50	51	1.9	5	0.49
499	ϵ Scorpii ...	2.2	...	16	42	27.31	124	4	31.3	5	0.50
500	μ^1 Scorpii ...	3.6	...	16	43	48.53	127	50	28.4	5	0.56
501	δ Herculis ...	5.0	...	16	45	45.41	43	48	30.1	2	0.45
502	ζ^2 Scorpii ...	3.6	...	16	46	12.68	132	9	18.2	2	0.55
503	Lacaille 6989 ...	6.2	...	16	46	43.16	159	4	39.7	4	0.50
504	Taylor 7821 ...	7.0	...	16	47	27.30	129	18	34.9	2	0.57
505	δ Herculis ...	5.4	...	16	48	27.12	53	6	2.7	3	0.50
506	ζ Aræ ...	3.2	...	16	48	46.46	145	47	58.9	2	0.55
507	κ Ophiuchi ...	3.4	...	16	52	2.06	80	26	18.9	7	0.54
508	ϵ Herculis ...	4.0	...	16	55	44.02	53	53	49.9	5	0.49
509	ϵ Ursæ Minoris ...	4.5	...	16	58	12.53	7	46	7.0	6	0.49
510	η Ophiuchi ...	2.6	...	17	3	33.20	105	34	33.1	14	0.56
511	η Scorpii ...	3.6	...	17	3	37.88	133	4	47.2	5	0.49
512	ζ Draconis ...	3.3	...	17	8	26.46	24	8	18.6	5	0.50
513	τ Herculis ...	3.4	...	17	10	53.98	53	3	20.5	5	0.51
514	θ Ophiuchi ...	3.4	...	17	14	42.05	114	52	45.7	6	0.62
515	γ Aræ ...	3.6	...	17	15	22.85	146	15	47.4	5	0.61
516	β Aræ ...	2.8	...	17	15	24.59	145	24	49.8	5	0.58
517	κ^1 Aræ ...	5.3	...	17	16	43.47	140	31	21.0	4	0.50
518	σ Ophiuchi ...	4.4	...	17	20	36.59	85	45	16.4	1	0.57
519	... ..	9.0	1	17	22	15.70	130	44	28.5	1	0.49
520	... ..	9.2	1	17	22	26.92	131	55	50.2	1	0.49
521	ν Scorpii ...	2.3	...	17	22	40.44	127	11	57.6	2	0.54
522	Lacaille 7308 ...	6.5	...	17	23	0.31	135	56	33.0	5	0.58
523	Taylor 8032 ...	7.5	4	17	23	7.59	135	59	53.3	5	0.64
524	Lacaille 7320 ...	7.5	...	17	24	27.94	135	25	16.7	4	0.66
525	Lacaille 7329 ...	7.0	3	17	25	27.53	134	55	7.9	3	0.55

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.	
491	θ Trianguli Australis.	+ 5.7221	+ 0.0775	...	+ 8.182	- 0.765	...	...
492	9 Ophiuchi ω ...	+ 3.5474	+ 0.0126	+ 0.000	+ 8.070	- 0.476	- 0.05	2095
493	27 Herculis β ...	+ 2.5840	+ 0.0037	- 0.009	+ 8.068	- 0.348	+ 0.02	2100
494	23 Scorpii τ ...	+ 3.7264	+ 0.0152	- 0.002	+ 7.798	- 0.502	+ 0.02	2103
495	13 Ophiuchi ζ ...	+ 3.2975	+ 0.0087	- 0.001	+ 7.625	- 0.447	- 0.04	2109
496	Lacaille 6881 ...	+ 6.0172	+ 0.0837	...	+ 7.566	- 0.814	...	...
497	40 Herculis ζ ...	+ 2.2969	+ 0.0033	- 0.036	+ 7.121	- 0.316	- 0.41	2127
948	44 Herculis η ...	+ 2.0515	+ 0.0037	+ 0.003	+ 6.956	- 0.234	+ 0.08	2133
499	26 Scorpii ϵ ...	+ 3.9253	+ 0.0165	- 0.050	+ 6.656	- 0.543	+ 0.27	2132
500	μ^1 Scorpii ...	+ 4.0540	+ 0.0180	- 0.007	+ 6.544	- 0.562	+ 0.00	Stone
501	52 Herculis ...	+ 1.7511	+ 0.0050	- 0.004	+ 6.383	- 0.245	+ 0.06	2149
502	ζ^b Scorpii ...	+ 4.2204	+ 0.0203	- 0.021	+ 6.346	- 0.537	+ 0.20	Stone
503	Lacaille 6989 ...	+ 6.3924	+ 0.0820	...	+ 6.296	- 0.888	...	...
504	Taylor 7821 ...	+ 4.1126	+ 0.0181	...	+ 6.243	- 0.572	...	...
505	53 Herculis ...	+ 2.2805	+ 0.0033	- 0.009	+ 6.159	- 0.319	+ 0.02	2151
506	ζ Arw... ...	+ 4.9453	+ 0.0343	- 0.013	+ 6.132	- 0.689	+ 0.08	Stone
507	27 Ophiuchi κ ...	+ 2.8570	+ 0.0044	- 0.021	+ 5.860	- 0.402	- 0.02	2156
508	58 Herculis ϵ ...	+ 2.2972	+ 0.0032	- 0.005	+ 5.550	- 0.324	- 0.03	2161
509	22 Ursæ Minoris ϵ ...	- 6.3736	+ 0.3096	+ 0.009	+ 5.341	+ 0.894	+ 0.00	2201
510	35 Ophiuchi η ...	+ 3.4337	+ 0.0073	+ 0.000	+ 4.890	- 0.487	- 0.10	2171
511	η Scorpii ...	+ 4.2840	+ 0.0167	- 0.003	+ 4.883	- 0.608	+ 0.26	Stone
512	22 Draconis ζ ...	+ 0.1639	+ 0.0193	+ 0.003	+ 4.474	- 0.025	- 0.02	2193
513	67 Herculis π ...	+ 2.0898	+ 0.0032	- 0.004	+ 4.263	- 0.300	- 0.01	2187
514	42 Ophiuchi θ ...	+ 3.6802	+ 0.0080	- 0.002	+ 3.939	- 0.528	+ 0.04	2189
515	γ Arw ...	+ 5.0363	+ 0.0235	- 0.004	+ 3.880	- 0.722	+ 0.01	Stone
516	β Arw ...	+ 4.9747	+ 0.0225	+ 0.002	+ 3.878	- 0.713	+ 0.03	Stone
517	κ^1 Arw ...	+ 4.6667	+ 0.0177	...	+ 3.764	- 0.670	...	...
518	49 Ophiuchi σ ...	+ 2.9745	+ 0.0037	- 0.002	+ 3.430	- 0.428	- 0.02	2206
519	... ..	+ 4.2085	+ 0.0111	...	+ 3.287	- 0.605	...	...
520	... ..	+ 4.2570	+ 0.0112	...	+ 3.271	- 0.614	...	...
521	34 Scorpii ν ...	+ 4.0736	+ 0.0097	- 0.004	+ 3.252	- 0.587	+ 0.03	2205
522	Lacaille 7308 ...	+ 4.4360	+ 0.0128	...	+ 3.224	- 0.639	...	...
523	Taylor 8032 ...	+ 4.4388	+ 0.0128	...	+ 3.213	- 0.640	...	...
524	Lacaille 7320 ...	+ 4.4127	+ 0.0122	...	+ 3.097	- 0.636	...	...
525	Lacaille 7329 ...	+ 4.3903	+ 0.0117	...	+ 3.011	- 0.634	...	...

Mean Positions of Stars for 1881, January 1st.

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension.			Mean Polar Distance.			Observations.	Fraction of Year.
				h.	m.	s.	°	'	"		
526	85 Scorpii λ	1.7	...	17	25	31.76	127	0	54.1	1	0.63
527	Lacaille 7346	7.3	...	17	27	58.85	134	47	56.8	4	0.61
528	Taylor 8122	5.6	2	17	28	21.13	128	32	58.1	2	0.50
529	Brisbane 6132	8.1	3	17	28	29.42	135	4	41.9	4	0.58
530	55 Ophiuchi α	2.2	...	17	29	24.55	77	21	7.7	1	0.61
531	Brisbane 6140	8.1	3	17	29	47.57	134	48	2.7	5	0.61
532	Brisbane 6142	8.0	5	17	30	6.06	135	40	52.0	5	0.61
533	55 Serpentis ξ	3.7	...	17	30	46.39	105	19	19.4	2	0.51
534	Brisbane 6151	8.0	2	17	31	55.58	134	36	12.7	2	0.55
535	Brisbane 6160	8.2	4	17	33	11.41	134	43	5.9	4	0.58
536	Taylor 8168	7.5	2	17	34	47.63	135	54	38.4	5	0.65
537	Lacaille 7400	7.5	...	17	35	53.73	135	59	4.0	4	0.66
538	60 Ophiuchi β	2.9	...	17	37	35.67	85	22	53.3	5	0.58
539	μ^1 Scorpii	3.3	...	17	39	15.67	130	4	42.6	5	0.53
540	... ..	8.2	4	17	40	53.32	127	15	3.4	4	0.59
541	86 Herculis μ	3.5	...	17	41	48.01	62	12	31.3	3	0.54
542	π Pavonis	4.6	...	17	57	7.31	153	40	15.5	1	0.51
543	W Sagittarii (γ^1) Var. 6. Var.	...	...	17	57	25.22	110	35	0.5	5	0.56
544	72 Ophiuchi	3.8	...	18	1	42.43	80	27	6.9	18	0.64
545	13 Sagittarii μ^1	4.1	...	18	6	38.69	111	5	17.4	2	0.57
546	23 Ursæ Minoris δ	4.3	...	18	10	43.18	3	23	27.4	1	0.66
547	19 Sagittarii δ	2.8	...	18	13	22.40	119	52	38.9	5	0.61
548	24 Ursæ Minoris	5.9	...	18	14	51.33	3	0	42.6	1	0.12
549	58 Serpentis η	3.4	...	18	15	9.15	92	55	44.1	12	0.67
550	20 Sagittarii ϵ	2.1	...	18	16	16.38	124	26	21.7	1	0.67
551	22 Sagittarii λ	3.1	...	18	20	37.53	115	29	8.7	14	0.65
552	Lalande 34123	5.7	...	18	22	10.14	83	52	39.6	4	0.69
553	3 Lyræ α (<i>Vega</i>)	0.2	...	18	32	54.52	51	19	34.2	3	0.65
554	10 Lyræ β , Var. 1.	3.6	...	18	45	41.07	56	46	28.5	6	0.64
555	34 Sagittarii σ	2.3	...	18	47	53.06	116	26	36.9	5	0.61
556	R. P. L. 131	6.5	...	18	53	39.29	3	26	39.3	6	0.19
557	13 Aquilæ ϵ	4.1	...	18	54	13.21	75	5	32.5	14	0.69
558	14 Lyræ γ	3.3	...	18	54	29.42	57	28	17.4	5	0.62
559	38 Sagittarii ζ	2.9	...	18	55	2.33	120	2	56.9	5	0.62
560	16 Aquilæ λ	3.6	...	18	59	56.03	95	3	33.7	5	0.62

540.—Comparison star for Comet in 1856.

556.—Carrington 2882.

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.	
526	35 Scorpii λ ...	+ 4.0680	+ 0.0090	- 0.001	+ 3.005	- 0.588	+ 0.05	2210
527	Lacaille 7346 ...	+ 4.3869	+ 0.0109	...	+ 2.798	- 0.634	...	...
528	Taylor 8122 ...	+ 4.1274	+ 0.0087	...	+ 2.760	- 0.597	...	...
529	Brisbane 6132 ...	+ 4.4003	+ 0.0113	...	+ 2.746	- 0.650	...	...
530	55 Ophiuchi α ...	+ 2.7750	+ 0.0030	+ 0.007	+ 2.669	- 0.402	+ 0.22	2218
531	Brisbane 6140 ...	+ 4.3884	+ 0.0103	...	+ 2.686	- 0.635	...	...
532	Brisbane 6142 ...	+ 4.4296	+ 0.0106	...	+ 2.609	- 0.641	...	...
533	55 Serpentis ξ ...	+ 3.4357	+ 0.0047	- 0.005	+ 2.550	- 0.498	+ 0.05	2217
534	Brisbane 6151 ...	+ 4.3810	+ 0.0097	...	+ 2.450	- 0.635	...	...
535	Brisbane 6160 ...	+ 4.3871	+ 0.0093	...	+ 2.340	- 0.636	...	...
536	Taylor 8168 ...	+ 4.4141	+ 0.0093	...	+ 2.201	- 0.645	...	...
537	Lacaille 7400 ...	+ 4.4483	+ 0.0090	...	+ 2.105	- 0.646	...	...
538	60 Ophiuchi β ...	+ 2.9649	+ 0.0030	- 0.004	+ 1.957	- 0.431	- 0.17	2229
539	ι^1 Scorpii ...	+ 4.1927	+ 0.0065	...	+ 1.818	- 0.610	...	...
540	... ..	+ 4.0856	+ 0.0060	...	+ 1.671	- 0.594	...	...
541	86 Hercules μ ...	+ 2.3699	+ 0.0025	- 0.024	+ 1.590	- 0.346	+ 0.75	2237
542	π Pavonis ...	+ 5.7737	+ 0.0034	0.000	+ 0.251	- 0.842	+ 0.22	Stone
543	W Sagittarii ...	+ 3.8312	+ 0.0021	- 0.005	+ 0.226	- 0.559	+ 0.21	2266
544	72 Ophiuchi ...	+ 2.8474	+ 0.0019	- 0.006	- 0.149	- 0.415	- 0.09	2275
545	13 Sagittarii μ^1 ...	+ 3.5877	+ 0.0000	- 0.001	- 0.581	- 0.523	- 0.00	2284
546	23 Ursae Minoris δ ...	- 19.4666	- 0.3113	+ 0.026	- 0.938	+ 2.835	- 0.04	2395
547	19 Sagittarii δ ...	+ 3.8390	- 0.0006	+ 0.001	- 1.169	- 0.559	+ 0.08	2294
548	24 Ursae Minoris ...	- 22.2823	- 0.5709	+ 0.067	- 1.299	+ 3.248	+ 0.02	2417
549	58 Serpentis η ...	+ 3.1405	+ 0.0010	- 0.040	- 1.325	- 0.456	+ 0.68	2298
550	20 Sagittarii ϵ ...	+ 3.9867	- 0.0016	- 0.004	- 1.423	- 0.579	+ 0.15	2297
551	22 Sagittarii λ ...	+ 3.7070	- 0.0013	- 0.005	- 1.802	- 0.537	+ 0.20	2310
552	Lalande 34128 ...	+ 2.9298	+ 0.0011	...	- 1.936	- 0.424	...	...
553	3 Lyræ α ...	+ 2.0133	+ 0.0016	+ 0.017	- 2.869	- 0.290	- 0.30	2341
554	10 Lyræ β ...	+ 2.2140	+ 0.0015	- 0.001	- 3.971	- 0.315	- 0.02	2369
555	34 Sagittarii σ ...	+ 3.7227	- 0.0054	- 0.001	- 4.159	- 0.529	+ 0.07	2365
556	R. P. L. 131 ...	- 18.5336	- 1.4956	...	- 4.652	+ 2.629	...	...
557	13 Aquilæ ϵ ...	+ 2.7263	+ 0.0004	- 0.005	- 4.700	- 0.385	+ 0.08	2390
558	14 Lyræ γ ...	+ 2.2438	+ 0.0014	- 0.002	- 4.723	- 0.316	- 0.01	2392
559	38 Sagittarii ζ ...	+ 3.8234	- 0.0075	- 0.004	- 4.770	- 0.540	- 0.01	2384
560	16 Aquilæ λ ...	+ 3.1867	- 0.0021	- 0.004	- 5.185	- 0.447	+ 0.08	2401

Mean Positions of Stars for 1881, January 1st.

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension.			Mean Polar Distance.			Observations.	Fraction of Year.
				h.	m.	s.	°	'	"		
561	17 Aquilæ ζ	3.1	...	18	59	56.47	76	18	43.0	1	0.70
562	41 Sagittarii π	3.1	...	19	2	41.11	111	12	42.0	8	0.68
563	...	3.5	2	19	4	23.93	139	21	8.8	3	0.66
564	25 Aquilæ ω	5.1	...	19	12	13.74	78	37	5.3	3	0.68
565	57 Draconis δ	3.2	...	19	12	31.24	22	32	49.8	5	0.63
566	β ¹ Sagittari	4.0	...	19	14	4.70	134	40	50.8	5	0.63
567	30 Aquilæ δ	3.5	...	19	19	29.87	87	7	17.8	5	0.65
568	6 Cygni β—1st	4.0	...	19	25	55.03	62	17	21.8	5	0.63
569	52 Sagittarii λ ⁴	4.6	...	19	29	27.82	115	8	38.7	8	0.70
570	50 Aquilæ γ	2.8	...	19	40	36.06	79	40	32.4	3	0.72
571	Taylor 9125	Var.	...	19	44	18.13	56	51	34.2	5	0.63
572	Lacaille 8249	7.0	...	19	45	9.60	122	16	48.2	3	0.65
573	59 Aquilæ ξ	4.9	...	19	48	28.72	81	50	44.0	4	0.62
574	60 Aquilæ β	4.0	...	19	49	28.05	83	53	17.5	2	0.73
575	65 Aquilæ θ	3.4	...	20	5	9.89	91	10	25.6	17	0.68
576	6 Capricorni α ²	3.8	...	20	11	26.91	102	54	45.3	1	0.71
577	Lacaille 8404	7.0	5	20	12	36.79	124	57	20.9	5	0.74
578	37 Cygni γ	2.3	...	20	17	57.28	50	7	24.6	5	0.63
579	11 Capricorni ρ	5.0	...	20	22	4.27	108	12	22.1	5	0.77
580	...	7.0	5	20	24	18.40	139	10	13.3	5	0.75
581	R. P. L. 143	6.7	...	20	27	17.38	5	15	2.6	6	0.62
582	2 Delphini ε	4.1	...	20	27	31.58	79	6	0.1	5	0.75
583	G. C. Z. XX. 925	3.5	2	20	28	16.54	121	2	28.2	4	0.66
584	...	3.0	5	20	33	11.78	152	57	34.5	5	0.78
585	15 Capricorni υ	5.3	...	20	33	16.38	108	33	23.8	4	0.72
586	9 Delphini α	4.0	...	20	34	6.55	74	30	25.4	5	0.68
587	β Pavonis	3.3	...	20	34	13.02	156	37	47.8	2	0.80
588	...	3.0	...	20	35	59.66	135	11	45.9	5	0.76
589	2 Aquarii ε	3.8	...	20	41	13.94	99	55	50.4	14	0.77
590	53 Cygni ε ..	2.7	...	20	41	23.63	56	28	26.5	4	0.71
591	Radcliffe 4950	4.5	...	20	42	23.77	32	50	50.6	1	0.66
592	3 Cephei η	3.6	...	20	42	51.79	28	37	22.5	5	0.75
593	...	7.5	5	20	47	44.22	135	1	38.8	5	0.74
594	32 Vulpeculæ	5.1	...	20	49	29.25	62	23	37.1	2	0.71
595	Taylor 9685	6.5	5	20	51	53.01	141	43	54.9	5	0.81

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.	
561	17 Aquilæ ζ ...	+ 2.7578	+ 0.0003	- 0.003	- 5.185	- 0.387	+ 0.09	2405
562	41 Sagittarii π ...	+ 3.5720	- 0.0057	- 0.002	- 5.417	- 0.500	+ 0.03	2406
563	... ..	+ 4.5686	- 0.0208	...	- 5.561	- 0.640	...	...
564	25 Aquilæ ω ...	+ 2.8165	- 0.0003	- 0.001	- 6.216	- 0.388	- 0.03	2432
565	57 Draconis δ ...	+ 0.0122	- 0.0228	+ 0.016	- 6.241	+ 0.001	- 0.08	2449
566	β ¹ Sagittarii ...	+ 4.3259	- 0.0195	- 0.003	- 6.370	- 0.596	+ 0.02	Stone
567	30 Aquilæ δ ...	+ 3.0091	- 0.0018	+ 0.015	- 6.818	- 0.410	- 0.09	2451
568	6 Cygni β ...	+ 2.4194	+ 0.0011	- 0.002	- 7.343	- 0.325	+ 0.01	2473
569	52 Sagittarii h ² ...	+ 3.6526	- 0.0102	+ 0.002	- 7.631	- 0.400	+ 0.01	2478
570	50 Aquilæ γ ...	+ 2.8518	- 0.0011	- 0.001	- 8.522	- 0.373	- 0.01	2511
571	Taylor 9125 ...	+ 2.2883	+ 0.0013	...	- 8.816	- 0.296	...	...
572	Lacaille 8249 ...	+ 3.8296	- 0.0160	...	- 8.882	- 0.498	...	...
573	59 Aquilæ ξ ...	+ 2.9018	- 0.0016	+ 0.006	- 9.141	- 0.373	+ 0.07	2536
574	60 Aquilæ β ...	+ 2.9452	- 0.0020	+ 0.001	- 9.219	- 0.378	+ 0.47	2538
575	65 Aquilæ θ ...	+ 3.0957	- 0.0042	- 0.000	- 10.415	- 0.382	- 0.01	2576
576	6 Capricorni α ² ...	+ 3.3298	- 0.0084	+ 0.002	- 10.882	- 0.403	- 0.02	2595
577	Lacaille 8404 ...	+ 3.8547	- 0.0216	...	- 10.968	- 0.466	...	...
578	37 Cygni γ ...	+ 2.1517	+ 0.0019	- 0.000	- 11.366	- 0.254	- 0.02	2624
579	11 Capricorni ρ ...	+ 3.4302	- 0.0115	- 0.003	- 11.660	- 0.403	+ 0.01	2626
580	... ..	+ 4.3228	- 0.0417	...	- 11.809	- 0.506	...	...
581	R. P. L. 143 ...	- 8.5727	- 1.2814	...	- 12.019	+ 1.005	...	...
582	2 Delphini ε ...	+ 2.8664	- 0.0013	- 0.001	- 12.036	- 0.330	+ 0.02	2642
583	G. C. Z. XX. 925 ...	+ 3.7144	- 0.0200	...	- 12.088	- 0.429	...	...
584	... ..	+ 5.1280	- 0.0901	...	- 12.428	- 0.584	...	...
585	15 Capricorni υ ...	+ 3.4245	- 0.0122	- 0.003	- 12.433	- 0.388	- 0.01	2657
586	9 Delphini α ...	+ 2.7824	- 0.0001	+ 0.003	- 12.492	- 0.313	+ 0.00	2670
587	β Pavonis ...	+ 5.4916	- 0.1163	- 0.009	- 12.498	- 0.623	+ 0.06	Stone
588	... ..	+ 4.1185	- 0.0366	...	- 12.621	- 0.463	...	...
589	2 Aquarii ε ...	+ 3.2508	- 0.0084	- 0.000	- 12.972	- 0.356	+ 0.03	2681
590	53 Cygni ε ...	+ 2.3073	+ 0.0030	+ 0.023	- 12.984	- 0.261	- 0.34	2689
591	Radcliffe 4950 ...	+ 1.5000	- 0.0045	...	- 13.050	- 0.159	...	...
592	3 Cephei η ...	+ 1.2157	- 0.0112	+ 0.013	- 13.082	- 0.128	- 0.81	2698
593	... ..	+ 4.0678	- 0.0378	...	- 13.401	- 0.436	...	...
594	32 Vulpeculæ ...	+ 2.5558	+ 0.0026	- 0.002	- 13.515	- 0.270	+ 0.00	2709
595	Taylor 9685 ...	+ 4.3124	- 0.0517	...	- 13.669	- 0.455	...	...

Mean Positions of Stars for 1881, 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>		
596	... ..	8.4	5	20	52	26.38	151	16	14.1	5	0.79
597	Lacaille 8656	6.8	...	20	58	5.42	150	27	59.2	5	0.76
598	Lacaille 8654	6.2	...	20	58	38.35	154	24	19.8	5	0.80
599	23 Capricorni θ	4.3	...	20	59	15.29	107	42	18.7	7	0.73
600	24 Capricorni A	4.6	...	21	0	9.78	115	28	48.5	2	0.72
601	Taylor 9765	6.6	5	21	1	11.22	149	53	16.4	5	0.79
602	61 Cygni—1st	5.5	...	21	1	33.58	51	50	11.9	2	0.82
603	61 Cygni—2nd	6.3	...	21	1	35.01	51	50	22.2	2	0.82
604	Lacaille 8730	7.5	...	21	7	46.69	145	21	1.4	5	0.81
605	64 Cygni ζ	3.5	...	21	7	52.23	60	15	38.4	6	0.75
606	Lacaille 8728	7.5	...	21	8	23.38	151	28	51.0	5	0.75
607	... ..	8.0	5	21	9	18.02	153	32	47.5	5	0.81
608	... ..	10.5	2	21	9	25.19	110	46	59.3	2	0.79
609	γ Pavonis	4.5	...	21	16	34.97	155	54	13.8	5	0.80
610	... ..	8.8	5	21	18	27.06	151	22	29.3	5	0.77
611	... ..	7.3	4	21	18	30.02	134	9	43.2	5	0.75
612	... ..	8.0	5	21	18	49.64	149	52	37.4	5	0.80
613	Taylor 9965	7.5	5	21	24	4.38	150	13	22.8	5	0.74
614	22 Aquarii β	3.1	...	21	25	17.55	96	5	38.2	5	0.79
615	Lacaille 8831	7.3	...	21	26	24.42	153	29	43.7	4	0.80
616	... ..	8.0	4	21	27	9.79	147	41	2.3	4	0.79
617	Taylor 10026	7.3	...	21	31	31.20	147	58	34.0	5	0.76
618	40 Capricorni γ	3.8	...	21	33	29.68	107	12	3.8	4	0.82
619	... ..	8.5	5	21	34	48.03	152	12	18.7	5	0.80
620	... ..	8.0	5	21	34	48.69	148	19	20.5	5	0.78
621	... ..	8.0	5	21	34	54.18	148	26	18.7	5	0.75
622	8 Pegasi ϵ	2.4	...	21	38	20.48	80	40	12.2	4	0.76
623	49 Capricorni δ	3.0	...	21	40	28.21	106	40	6.6	1	0.82
624	Taylor 10107	6.6	...	21	40	34.44	146	49	28.8	5	0.76
625	... ..	8.0	5	21	41	1.56	153	25	32.7	5	0.79
626	Lacaille 8920	7.2	...	21	43	17.56	152	36	25.2	5	0.81
627	... ..	7.0	5	21	44	26.29	147	53	31.3	5	0.76
628	γ Gruis	8.0	...	21	46	42.88	127	55	27.1	1	0.76
629	16 Pegasi	5.0	...	21	47	38.82	64	38	3.5	5	0.78
630	... ..	7.0	5	21	48	14.53	146	15	9.4	5	0.77

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.	
		"	"	"	"	"	"	
596	...	+ 4.8539	- 0.0858	...	- 13.705	- 0.512	...	...
597	Lacaille 8656	+ 4.7547	- 0.0827	...	- 14.062	- 0.490	...	...
598	Lacaille 8654	+ 5.0574	- 0.1061	...	- 14.096	- 0.521	...	...
599	23 Capricorni θ	+ 3.3751	- 0.0128	+ 0.004	- 14.133	- 0.344	+ 0.05	2733
600	24 Capricorni A	+ 3.5226	- 0.0178	- 0.005	- 14.190	- 0.358	+ 0.02	2737
601	Taylor 9765	+ 4.0038	- 0.0806	...	- 14.255	- 0.477	...	...
602	61 Cygni—1st	+ 2.3345	+ 0.0014	+ 0.344	- 14.274	- 0.233	- 3.23	2744
603	61 Cygni—2nd	+ 2.3347	+ 0.0044	+ 0.350	- 14.276	- 0.233	- 3.03	2745
604	Lacaille 8730	+ 4.3929	- 0.0639	...	- 14.654	- 0.433	...	...
605	64 Cygni ζ	+ 2.5511	+ 0.0038	- 0.002	- 14.659	- 0.248	+ 0.07	2760
606	Lacaille 8728	+ 4.7471	- 0.0895	...	- 14.690	- 0.467	...	...
607	...	+ 4.8936	- 0.1019	...	- 14.744	- 0.479	...	...
608	...	+ 3.4152	- 0.0149	...	- 14.751	- 0.332	...	...
609	γ Pavonis	+ 5.0277	- 0.1203	+ 0.019	- 15.168	- 0.475	- 0.83	Stone
610	...	+ 4.6594	- 0.0900	...	- 15.274	- 0.434	...	...
611	...	+ 3.9135	- 0.0392	...	- 15.278	- 0.364	...	...
612	...	+ 4.5624	- 0.0825	...	- 15.295	- 0.425	...	...
613	Taylor 9965	+ 4.5422	- 0.0845	...	- 15.500	- 0.411	...	...
614	22 Aquarii β	+ 3.1615	- 0.0071	- 0.001	- 15.656	- 0.282	+ 0.00	2797
615	Lacaille 8831	+ 4.7374	- 0.1032	...	- 15.716	- 0.424	...	...
616	...	+ 4.3797	- 0.0738	...	- 15.756	- 0.389	...	...
617	Taylor 10026	+ 4.3623	- 0.0751	...	- 15.990	- 0.378	...	...
618	40 Capricorni γ	+ 3.3193	- 0.0130	+ 0.012	- 16.093	- 0.283	+ 0.01	2815
619	...	+ 4.5736	- 0.0946	...	- 16.162	- 0.390	...	...
620	...	+ 4.3549	- 0.0766	...	- 16.164	- 0.369	...	...
621	...	+ 4.3600	- 0.0771	...	- 16.167	- 0.370	...	...
622	8 Pegasi ϵ	+ 2.9451	- 0.0005	+ 0.001	- 16.343	- 0.242	- 0.01	2835
623	49 Capricorni δ	+ 3.3013	- 0.0128	+ 0.017	- 16.448	- 0.270	+ 0.30	2847
624	Taylor 10107	+ 4.2411	- 0.0708	...	- 16.456	- 0.348	...	...
625	...	+ 4.5955	- 0.1028	...	- 16.481	- 0.376	...	...
626	Lacaille 8920	+ 4.5215	- 0.0975	...	- 16.501	- 0.365	...	...
627	...	+ 4.2603	- 0.0749	...	- 16.647	- 0.341	...	...
628	γ Gruis	+ 3.6445	- 0.0310	+ 0.003	- 16.757	- 0.286	+ 0.02	Stone
629	16 Pegasi	+ 2.7263	+ 0.0052	- 0.001	- 16.802	- 0.210	+ 0.00	2864
630	...	+ 4.1603	- 0.0688	...	- 16.830	- 0.324	...	...

Mean Positions of Stars for 1881, January 1st.

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension.			Mean Polar Distance.			Observations.	Fraction of Year.
				h.	m.	s.	°	'	"		
631	...	9.1	5	21	50	36.33	151	46	55.6	5	0.82
632	...	7.5	2	21	52	41.44	131	6	31.0	5	0.84
633	...	7.5	4	21	52	43.51	147	2	27.2	5	0.75
634	...	7.5	5	21	54	14.06	145	19	59.8	5	0.77
635	...	8.0	5	21	56	40.82	143	6	47.2	5	0.78
636	...	7.5	5	21	59	34.17	154	5	5.3	5	0.80
637	34 Aquarii α	3.2	...	21	59	40.21	90	53	49.5	2	0.74
638	...	7.5	3	21	59	50.59	133	4	54.7	5	0.84
639	Lacaille 9020	8.0	...	22	0	39.29	140	41	11.3	5	0.76
640	...	8.7	5	22	2	34.44	144	35	24.7	5	0.77
641	... (2nd Star) ...	7.5	5	22	2	41.49	154	36	1.7	5	0.80
642	...	9.0	5	22	7	32.50	147	27	33.6	5	0.81
643	...	7.6	5	22	9	24.76	148	22	35.3	5	0.76
644	α Tucanæ ...	2.8	...	22	10	20.07	150	51	6.5	2	0.88
645	Lacaille 9076	5.7	...	22	10	26.96	144	11	59.6	5	0.76
646	43 Aquarii θ	4.3	...	22	10	33.15	98	22	32.4	4	0.85
647	Lacaille 9091	7.3	...	22	11	17.95	127	11	19.7	5	0.78
648	...	7.7	5	22	11	59.48	127	13	48.2	5	0.79
649	48 Aquarii γ	4.1	...	22	15	30.54	91	59	11.0	14	0.83
650	Lacaille 9115	7.3	...	22	17	47.36	141	59	54.0	5	0.76
651	...	7.5	5	22	18	21.36	153	8	34.9	5	0.78
652	... (1st Star) ...	7.0	5	22	22	5.56	139	6	51.6	5	0.77
653	R. P. L. 150	5.5	...	22	22	35.40	4	29	33.0	10	0.45
654	55 Aquarii ζ	4.7	...	22	22	42.09	90	37	42.7	1	0.76
655	R. P. L. 151	6.9	...	22	23	0.53	4	22	40.8	2	0.29
656	Lacaille 9150	8.0	...	22	24	2.50	143	59	35.1	5	0.83
657	Lacaille 9152	7.1	...	22	24	4.49	141	32	51.1	5	0.76
658	...	7.7	5	22	25	30.77	150	36	16.7	5	0.83
659	...	9.0	5	22	28	59.99	154	25	54.6	5	0.80
660	63 Aquarii η	4.2	...	22	29	14.45	90	43	49.5	8	0.83
661	Lacaille 9186	7.8	...	22	30	55.41	137	19	29.1	5	0.76
662	...	8.0	5	22	31	41.14	140	37	59.4	5	0.77
663	42 Pegasi ζ	3.6	...	22	35	31.49	79	47	21.7	5	0.78
664	β Gravis	2.2	...	22	35	33.14	137	30	22.1	5	0.86
665	...	8.0	5	22	37	16.74	154	5	7.7	5	0.80

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.	
		s	s	s	"	"	"	
631	...	+ 4.4053	- 0.0926	...	- 16.945	- 0.338	...	...
632	...	+ 3.6875	- 0.0353	...	- 17.039	- 0.277	..	...
633	...	+ 4.1595	- 0.0701	...	- 17.041	- 0.314	...	...
634	...	+ 4.0807	- 0.0654	...	- 17.109	- 0.305	...	...
635	...	+ 3.9853	- 0.0588	...	- 17.221	- 0.294	...	...
636	...	+ 4.4525	- 0.1055	...	- 17.348	- 0.320	...	...
637	34 Aquarii α ...	+ 3.0829	- 0.0041	- 0.001	- 17.353	- 0.219	- 0.00	2890
638	...	+ 3.6982	- 0.0381	...	- 17.361	- 0.264	...	...
639	Lacaille 9020	+ 3.8846	- 0.0524	...	- 17.396	- 0.277	...	...
640	...	+ 3.9943	- 0.0628	...	- 17.479	- 0.281	...	...
641	... (2nd Star) ...	+ 4.4514	- 0.1086	...	- 17.484	- 0.313	...	..
642	...	+ 4.0598	- 0.0719	..	- 17.689	- 0.329	...	...
643	...	+ 4.0799	- 0.0752	...	- 17.764	- 0.269	...	...
644	α Tenebris ...	+ 4.1769	- 0.0858	- 0.007	- 17.799	- 0.274	+ 0.04	Stone
645	Lacaille 9076	+ 3.9250	- 0.0611	...	- 17.806	- 0.256	...	...
646	43 Aquarii θ ...	+ 3.1627	- 0.0075	+ 0.006	- 17.810	- 0.205	+ 0.02	2929
647	Lacaille 9091	+ 3.5356	- 0.0298	...	- 17.840	- 0.228	...	...
648	...	+ 3.5782	- 0.0302	...	- 17.868	- 0.230	...	...
649	48 Aquarii γ ...	+ 3.0927	- 0.0042	...	- 18.005	- 0.191	...	...
650	Lacaille 9115	+ 3.8104	- 0.0546	...	- 18.093	- 0.233	...	...
651	...	+ 4.2052	- 0.0964	...	- 18.113	- 0.257	...	...
652	... (1st Star)	+ 3.7121	- 0.0479	...	- 18.252	- 0.217	...	...
653	R. P. L. 150 ...	- 3.9458	- 1.2361	+ 0.052	- 18.268	+ 0.245	- 0.04	2993
654	55 Aquarii ζ ...	+ 3.0784	- 0.0033	+ 0.011	- 18.273	- 0.178	- 0.04	2960
655	R. P. L. 151 ...	- 4.0989	- 1.3049	+ 0.025	- 18.285	+ 0.253	- 0.01	2997
656	Lacaille 9150	+ 3.8202	- 0.0591	...	- 18.321	- 0.220	...	...
657	Lacaille 9152	+ 3.7567	- 0.0530	...	- 18.323	- 0.216	...	...
658	...	+ 4.0232	- 0.0821	...	- 18.373	- 0.228	...	...
659	...	+ 4.1529	- 0.1016	...	- 18.493	- 0.227	...	...
660	62 Aquarii η ...	+ 3.0789	- 0.0031	+ 0.006	- 18.502	- 0.166	+ 0.11	2979
661	Lacaille 9186	+ 3.6218	- 0.0437	...	- 18.558	- 0.193	...	...
662	...	+ 3.6848	- 0.0505	...	- 18.584	- 0.195	...	...
663	42 Pegasi ζ ...	+ 2.9855	+ 0.0023	+ 0.004	- 18.707	- 0.149	+ 0.02	2992
664	β Gruis ...	+ 3.5980	- 0.0436	+ 0.012	- 18.708	- 0.181	+ 0.04	Stone
665	...	+ 4.0440	- 0.0970	...	- 18.762	- 0.202	...	...

Mean Positions of Stars for 1881, January 1st.

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension.			Mean Polar Distance.			Observations.	Fraction of Year.
				h.	m.	s.	°	'	"		
666	... ..	9.5	4	22	38	37.83	148	35	33.9	5	0.87.
667	Taylor 10521	5.9	...	22	38	38.75	137	10	17.2	5	0.76
668	Lacaille 9240	6.5	...	22	41	4.51	154	20	48.0	5	0.79
669	... ..	8.0	5	22	42	20.48	143	56	18.6	5	0.81
670	Taylor 10550	5.8	...	22	44	15.39	129	47	13.7	5	0.86
671	73 Aquarii λ	3.8	...	22	46	24.25	98	12	45.5	16	0.83
672	... ..	8.0	5	22	47	0.16	140	10	6.3	5	0.75
673	Lacaille 9298	6.6	...	22	48	33.82	127	1	19.8	5	0.77
674	... ..	8.6	4	22	50	12.07	156	58	17.0	5	0.85
675	... .. (1st Star)...	9.0	1	22	51	5.63	123	50	28.3	1	0.82
676	... .. (2nd Star)...	8.5	4	22	51	10.45	123	49	58.0	4	0.86
677	... ..	9.5	4	22	52	14.32	144	59	22.8	5	0.86
678	... ..	8.0	5	22	52	20.52	154	20	27.3	5	0.81
679	Lacaille 9317	7.5	...	22	52	23.82	135	49	35.8	6	0.74
680	... ..	7.0	5	22	55	43.68	153	1	21.8	5	0.78
681	Stone 12003	7.8	...	22	58	21.40	133	40	1.2	5	0.87
682	... ..	8.8	4	22	58	21.46	155	58	55.7	4	0.83
683	54 Pegasi α (Markab)	2.6	...	22	58	40.94	75	26	5.2	1	0.82
684	Lacaille 9360—2nd	8.0	...	22	58	59.86	133	43	16.2	4	0.84
685	... ..	8.0	5	22	59	0.41	149	20	9.4	5	0.77
686	... ..	8.0	5	23	0	41.91	128	44	56.9	5	0.77
687	... ..	8.0	3	23	0	46.59	154	16	11.3	5	0.87
688	Lacaille 9370	8.0	5	23	0	53.62	144	43	9.6	5	0.77
689	... ..	7.5	5	23	5	9.23	135	22	11.9	5	0.74
690	... ..	8.0	5	23	6	39.74	146	43	37.6	5	0.77
691	... ..	9.0	5	23	7	15.87	142	40	19.3	5	0.81
692	... ..	6.5	5	23	9	37.52	127	46	6.0	5	0.77
693	Lacaille 9423—1st	7.6	...	23	10	50.85	151	38	57.9	1	0.82
694	6 Piscium γ	3.8	...	23	10	59.71	87	22	5.5	5	0.79
695	... ..	8.0	5	23	12	38.84	148	46	27.1	5	0.77
696	Lacaille 9441	7.5	5	23	13	9.77	131	44	2.4	5	0.78
697	Lacaille 9444	6.7	...	23	13	16.59	124	21	30.1	5	0.85
698	... ..	9.5	5	23	15	32.48	150	37	39.4	5	0.81
699	... ..	7.0	1	23	16	12.90	130	40	38.4	1	0.75
700	Taylor 10748	5.7	...	23	18	31.61	147	30	12.3	1	0.80

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.	
666	...	+ 3.8335	- 0.0714	...	- 18.803	- 0.187	...	...
667	Taylor 10521...	+ 3.5736	- 0.0427	...	- 18.804	- 0.173	...	...
668	Lacaille 9240	+ 4.0121	- 0.0973	...	- 18.876	- 0.191	...	...
669	...	+ 3.6826	- 0.0577	...	- 18.913	- 0.172	...	...
670	Taylor 10550...	+ 3.4336	- 0.0314	...	- 18.968	- 0.155	...	...
671	73 Aquarii λ ...	+ 3.1332	- 0.0063	- 0.002	- 19.028	- 0.137	- 0.04	3019
672	...	+ 3.5743	- 0.0474	...	- 19.045	- 0.156	...	...
673	Lacaille 9298	+ 3.3816	- 0.0278	...	- 19.088	- 0.144	...	...
674	...	+ 4.0155	- 0.1108	...	- 19.131	- 0.169	...	...
675	... (1st Star)	+ 3.3377	- 0.0242	...	- 19.155	- 0.135	...	...
676	... (2nd Star)	+ 3.3374	- 0.0242	...	- 19.156	- 0.135	...	...
677	...	+ 3.6284	- 0.0576	...	- 19.184	- 0.147	...	...
678	...	+ 3.8818	- 0.0932	...	- 19.186	- 0.158	...	...
679	Lacaille 9317	+ 3.4724	- 0.0391	...	- 19.187	- 0.140	...	...
680	...	+ 3.7993	- 0.0852	...	- 19.270	- 0.146	...	...
681	Stone 12003	+ 3.4114	- 0.0352	...	- 19.332	- 0.125	...	...
682	...	+ 3.8696	- 0.1003	...	- 19.333	- 0.143	...	...
683	54 Pegasi α ...	+ 2.9807	+ 0.0056	+ 0.003	- 19.343	- 0.107	+ 0.03	3050
684	Lacaille 9360	+ 3.4086	- 0.0352	...	- 19.347	- 0.124	...	...
685	...	+ 3.6653	- 0.0693	...	- 19.348	- 0.134	...	...
686	...	+ 3.3469	- 0.0288	...	- 19.386	- 0.118	...	...
687	...	+ 3.7813	- 0.0895	...	- 19.388	- 0.134	...	...
688	Lacaille 9370	+ 3.5542	- 0.0553	...	- 19.390	- 0.125	...	...
689	...	+ 3.3935	- 0.0338	...	- 19.483	- 0.110	...	...
690	...	+ 3.5422	- 0.0593	...	- 19.514	- 0.112	...	...
691	...	+ 3.4721	- 0.0494	...	- 19.525	- 0.108	...	...
692	...	+ 3.2980	- 0.0295	...	- 19.572	- 0.098	...	...
693	Lacaille 9423	+ 3.5997	- 0.0742	...	- 19.595	- 0.105	...	...
694	6 Piscium γ ...	+ 3.0592	+ 0.0005	+ 0.049	- 19.597	- 0.087	- 0.02	3082
695	...	+ 3.5247	- 0.0634	...	- 19.627	- 0.098	...	...
696	Lacaille 9441	+ 3.3143	- 0.0311	...	- 19.636	- 0.091	...	...
697	Lacaille 9444	+ 3.2574	- 0.0232	...	- 19.639	- 0.089	...	...
698	...	+ 3.5302	- 0.0686	...	- 19.677	- 0.092	...	...
699	...	+ 3.2005	- 0.0296	...	- 19.689	- 0.085	...	...
700	Taylor 10748	+ 3.4501	- 0.0582	...	- 19.726	- 0.085	...	...

Mean Positions of Stars for 1881, January 1st.

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension.			Mean Polar Distance.			Observations.	Fraction of Year.
				h.	m.	s.	°	'	"		
701	Lacaille 9465	7.5	...	23	19	30.33	153	53	30.0	5	0.78
702	8 Piscium κ	5.0	...	23	20	49.86	89	23	44.9	9	0.78
703	... ..	7.3	5	23	24	4.90	152	51	59.1	5	0.81
704	Taylor 10784	6.7	...	23	24	8.38	132	38	33.0	5	0.75
705	... ..	8.0	5	23	24	23.63	155	1	38.6	5	0.79
706	O. A. N. 25745	7.8	5	23	27	47.91	31	20	59.6	5	0.77
707	R. P. L 158	5.7	...	23	27	49.98	3	20	53.0	4	0.85
708	... ..	8.0	5	23	29	36.74	134	6	26.5	5	0.83
709	... ..	7.4	5	23	32	56.58	150	54	45.8	5	0.80
710	17 Piscium ι	4.3	...	23	33	49.76	85	1	7.4	10	0.86
711	... ..	8.0	5	23	34	15.00	151	58	38.0	5	0.79
712	Lacaille 9557	7.5	...	23	35	52.48	151	43	19.3	5	0.78
713	... ..	8.0	4	23	36	5.21	148	8	19.1	5	0.85
714	G. C. Z. XXIII. 977	8.0	1	23	36	7.06	148	37	18.4	1	0.74
715	Stone 12267	7.5	4	23	37	53.68	131	20	46.5	5	0.86
716	... ..	7.6	5	23	39	20.78	142	53	48.2	5	0.81
717	Lacaille 9589	7.3	...	23	40	28.36	146	28	15.0	5	0.77
718	... ..	8.1	4	23	41	58.36	152	40	13.9	5	0.85
719	δ Sculptoris	4.6	...	23	42	43.41	118	47	19.3	4	0.78
720	Lacaille 9604	6.9	...	23	43	10.84	153	30	1.5	5	0.78
721	... ..	7.0	5	23	43	35.32	151	47	51.7	5	0.79
722	... ..	9.0	5	23	45	42.40	139	30	37.0	5	0.83
723	Stone 12335	8.0	...	23	47	25.49	140	5	42.4	5	0.89
724	Taylor 10930	6.1	...	23	48	23.99	130	57	48.0	5	0.76
725	η Tucanae	5.2	...	23	51	19.46	154	57	34.6	2	0.77
726	... ..	9.0	4	23	51	28.65	142	51	35.7	4	0.88
727	... ..	7.0	5	23	52	9.31	153	40	4.5	5	0.78
728	28 Piscium ω	4.2	...	23	53	11.98	83	47	43.8	5	0.81
729	... .. (2nd Star)...	7.5	5	23	53	26.24	132	56	49.8	5	0.81
730	... ..	10.5	1	23	54	4.48	101	21	8.2	1	0.80
731	... ..	7.0	5	23	55	30.77	129	59	53.1	5	0.77
732	Lacaille 9709	7.2	...	23	58	33.80	142	14	50.7	5	0.82
733	... ..	8.0	5	23	59	47.53	132	24	50.8	5	0.81

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.	
		"	"	"	"	"	"	
701	Lacaille 9465 ...	+ 3.5516	- 0.0795	...	- 19.742	- 0.084	...	...
702	8 Piscium κ ...	+ 3.0699	0.0000	+ 0.004	- 19.762	- 0.069	+ 0.10	3116
703	... ..	+ 3.4795	- 0.0734	...	- 19.808	- 0.071	...	...
704	Taylor 10784 .	+ 3.2642	- 0.0308	...	- 19.809	- 0.066	...	...
705	... ..	+ 3.5165	- 0.0823	...	- 19.812	- 0.071	...	...
706	O. A. N. 25745 ...	+ 2.7649	+ 0.0389	...	- 19.857	- 0.048	...	...
707	R. P. L. 158 ...	- 0.1245	- 0.5452	+ 0.084	- 19.857	+ 0.012	- 0.00	3147
708	... ..	+ 3.2436	- 0.0318	...	- 19.877	- 0.054	...	...
709	... ..	+ 3.4417	- 0.0865	...	- 19.914	- 0.051	...	...
710	17 Piscium ι ...	+ 3.0590	+ 0.0030	+ 0.023	- 19.923	- 0.042	+ 0.44	3148
711	... ..	+ 3.3510	- 0.0656	...	- 19.928	- 0.047	...	...
712	Lacaille 9557 ...	+ 3.3334	- 0.0643	...	- 19.943	- 0.043	...	...
713	... ..	+ 3.2963	- 0.0545	...	- 19.946	- 0.042	...	...
714	G. C. Z. XXIII. 977...	+ 3.3004	- 0.0561	...	- 19.944	- 0.043	...	...
715	Stone 12267 ...	+ 3.1855	- 0.0275	...	- 19.961	- 0.036	...	...
716	... ..	+ 3.2314	- 0.0429	...	- 19.973	- 0.034	...	...
717	Lacaille 9589 ...	+ 3.2440	- 0.0494	...	- 19.981	- 0.032	...	...
718	... ..	+ 3.2756	- 0.0647	...	- 19.992	- 0.029	...	...
719	δ Sculptoris ...	+ 3.1276	- 0.0161	+ 0.009	- 19.997	- 0.026	+ 0.10	Stone
720	Lacaille 9604 ...	+ 3.2670	- 0.0667	...	- 20.001	- 0.026	..	...
721	... ..	+ 3.2508	- 0.0613	...	- 20.003	- 0.026	...	...
722	... ..	+ 3.1699	- 0.0362	...	- 20.015	- 0.020	...	...
723	Stone 12335 ...	+ 3.1600	- 0.0367	...	- 20.024	- 0.017	...	...
724	Taylor 10930 ...	+ 3.1309	- 0.0257	...	- 20.028	- 0.015	...	...
725	η Tucane ...	+ 3.1806	- 0.0672	...	- 20.039	- 0.009	...	...
726	... ..	+ 3.1379	- 0.0398	...	- 20.039	- 0.008	...	...
727	... ..	+ 3.1618	- 0.0629	...	- 20.042	- 0.007	...	...
728	28 Piscium ω ...	+ 3.0680	+ 0.0047	+ 0.009	- 20.045	- 0.005	+ 0.11	3191
729	... .. (2nd Star)...	+ 3.1080	- 0.0270	...	- 20.046	- 0.004	...	...
730	... ..	+ 3.0792	- 0.0045	...	- 20.048	- 0.003	...	...
731	... ..	+ 3.0943	- 0.0239	...	- 20.050	0.000	...	...
732	Lacaille 9709 ...	+ 3.0832	- 0.0372	...	- 20.054	+ 0.006	...	...
733	... ..	+ 3.0733	- 0.0256	...	- 20.055	+ 0.008	...	...