MEAN POSITIONS OF STARS

OBSERVED WITH THE

MADRAS MERIDIAN CIRCLE

IN THE YEAR

1879

REDUCED TO JANUARY 1 OF THAT YEAR

Mean Positions of Stars for 1879, *January* 1*st.*

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension.			Mean Polar Distance.			Observations.	Fraction of Year.
				h.	*m.*	*s.*	°	′	″		
1	21 Androm. α (*Alpheratz*)..	2·1	...	0	2	8·16	61	34	38·9	3	0·90
2	22 Andromedæ	4·9	...	0	4	1·08	44	36	5·2	3	0·80
3	κ^2 Sculptoris	5·6	3	0	5	25·6467	118	28	24·8	3	0·79
4	θ Sculptoris	5·6	5	0	5	34·71 60	125	48	38·5	5	0·88
5	88 Pegasi γ (*Algenib*) ...	3·0	...	0	7	0·37	75	29	20·4	7	0·91
6	7 Ceti	5·6	4	0	8	29·571	109	36	10·8	4	0·83
7	24 Andromedæ θ... ...	4·3	...	0	10	46·1732	51	59	24·1	5	0·89
8	ζ Tucanæ	5·1	3	0	13	45·87·61	155	35	8·4	3	0·84
9	π Tucanæ	4·6	4	0	15	2·06	160	17	50·1	4	0·85
10	η Sculptoris	5·0	4	0	21	55·64 51	123	40	30·6	4	0·93
11	Taylor 107	5·6	1	0	23	27·26	131	20	2·3	2	0·84
12	12 Ceti	6·2	...	0	23	51·70 67	94	37	33·8	3	0·83
13	Taylor 118	5·6	5	0	24	33·0	131	36	33·8	5	0·89
14	Taylor 120	5·6	3	0	24	34·81 65	138	52	52·7	3	0·91
15	14 Cassiopeiæ λ	4·8	...	0	25	5·60	36	8	43·7	1	0·90
16	λ^1 Phœnicis	5·1	3	0	25	34·58	139	28	22·8	4	0·88
17	15 Cassiopeiæ κ—1st. ...	4·2	...	0	26	7·79 84	27	44	8·9	3	0·83
18	β^3 Tucanæ	5·0	1	0	27	12·35	153	41	51·2	1	0·93
19	Taylor 139	5·6	4	0	27	41·97 4	120	13	30·2	4	0·93
20	λ^2 Phœnicis	5·6	4	0	29	54·87 64	138	39	51·2	4	0·90
21	17 Cassiopeiæ ζ	3·7	...	0	30	13·790	36	46	9·1	4	0·88
22	29 Andromedæ π... ...	4·4	...	0	30	25·69 22	56	56	48·1	4	0·86
23	Radcliffe 172	5·3	2	0	32	28·79 88	41	18	36·4	2	0·82
24	Lacaille 172	5·0	4	0	34	45·18 2	150	8	3·9	4	0·87
25	μ Phœnicis	5·1	5	0	35	36·35·44	136	44	57·5	5	0·94
26	ξ Phœnicis	5·0	1	0	36	14·97	147	10	3·5	1	0·95
27	20 Cassiopeiæ π	5·0	...	0	36	46·2437	43	38	14·3	4	0·90
28	λ^1 Sculptoris	5·2	4	0	36	53·56	129	7	36·6	4	0·86
29	ρ Tucanæ	5·6	1	0	37	18·00	156	7	59·5	1	0·89
30	16 Ceti β	2·1	...	0	37	30·88 4	108	39	1·7	4	0·91
31	η Phœnicis	5·1	1	0	37	54·68 57	148	7	36·3	1	0·84
32	17 Ceti ϕ^1...	4·9	...	0	38	5·31 2	101	16	6·6	1	0·86
33	34 Andromedæ ζ... ...	4·4	...	0	40	55·46 51	66	23	28·0	3	0·86
34	25 Cassiopeiæ ν	5·0	...	0	41	58·92	39	41	31·3	5	0·92
35	35 Andromedæ ν... ...	4·4	...	0	43	8·56	49	34	49·5	4	0·92

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*	"	"	"	
1	21 Andromedæ α ...	+ 3·0790	+ 0·0182	+ 0·010	− 20·053	+ 0·013	+ 0·16	3215
2	22 Andromedæ ...	+ 3·0961	+ 0·0328	+ 0·002	− 20·051	+ 0·017	− 0·02	3220
3	κ^2 Sculptoris ...	+ 3·0552	− 0·0138	...	− 20·048	+ 0·019	...	...
4	θ Sculptoris	+ 3·0488	− 0·0190	...	− 20·048	+ 0·019	...	...
5	88 Pegasi γ	+ 3·0828	+ 0·0100	− 0·001	− 20·045	+ 0·022	+ 0·01	1
6	7 Ceti	+ 3·0547	− 0·0082	− 0·003	− 20·041	+ 0·025	+ 0·06	4
7	24 Andromedæ θ ...	+ 3·1217	+ 0·0266	− 0·007	− 20·032	+ 0·030	+ 0·01	9
8	ζ Tucanæ	+ 2·8958	− 0·0555	+ 0·265	− 20·019	+ 0·034	− 1·18	Stone
9	π Tucanæ	+ 2·8276	− 0·0673	...	− 20·012	+ 0·036	...	...
10	η Sculptoris	+ 2·9872	− 0·0156	...	− 19·962	+ 0·050	...	...
11	Taylor 107	+ 2·9522	− 0·0208	...	− 19·949	+ 0·053	...	...
12	12 Ceti	+ 3·0610	+ 0·0008	− 0·000	− 19·946	+ 0·055	+ 0·01	38
13	Taylor 118	+ 2·9453	− 0·0211	...	− 19·940	+ 0·055	...	...
14	Taylor 120	+ 2·9083	− 0·0270	...	− 19·939	+ 0·054	...	...
15	14 Cassiopeiæ λ ...	+ 3·2724	+ 0·0490	+ 0·003	− 19·935	+ 0·061	+ 0·03	40
16	λ^1 Phœnicis	+ 2·8981	− 0·0274	...	− 19·930	+ 0·056	...	...
17	15 Cassiopeiæ κ ...	+ 3·3616	+ 0·0702	+ 0·000	− 19·924	+ 0·064	+ 0·02	43
18	β^3 Tucanæ	+ 2·7520	− 0·0441	+ 0·012	− 19·914	+ 0·056	− 0·03	Stone
19	Taylor 139	+ 2·9784	− 0·0128	...	− 19·909	+ 0·061	...	...
20	λ^2 Phœnicis	+ 2·8745	− 0·0257	...	− 19·883	+ 0·063	...	...
21	17 Cassiopeiæ ζ ...	+ 3·3076	+ 0·0491	+ 0·002	− 19·880	+ 0·072	+ 0·01	52
22	29 Andromedæ π ...	+ 3·1874	+ 0·0243	− 0·000	− 19·878	+ 0·070	0·00	53
23	Radcliffe 172 ...	+ 3·2872	+ 0·0419	...	− 19·853	+ 0·076	...	...
24	Lacaille 172	+ 2·7206	− 0·0357	+ 0·120	− 19·824	+ 0·069	− 0·42	Stone
25	μ Phœnicis	+ 2·8524	− 0·0230	0·000	− 19·813	+ 0·073	+ 0·02	Stone
26	ξ Phœnicis	+ 2·7459	− 0·0321	...	− 19·804	+ 0·072	...	...
27	20 Cassiopeiæ π ...	+ 3·2963	+ 0·0392	− 0·003	− 19·797	+ 0·085	+ 0·02	67
28	λ^1 Sculptoris ...	+ 2·8980	− 0·0173	...	− 19·795	+ 0·075	...	...
29	ρ Tucanæ	+ 2·5828	− 0·0414	...	− 19·789	+ 0·069	...	...
30	16 Ceti β	+ 2·9988	− 0·0055	+ 0·015	− 19·786	+ 0·080	− 0·03	70
31	η Phœnicis	+ 2·7182	− 0·0324	...	− 19·780	+ 0·073	...	...
32	17 Ceti ϕ^1	+ 3·0282	− 0·0017	...	− 19·778	+ 0·081	...	...
33	34 Andromedæ ζ ...	+ 3·1761	+ 0·0179	− 0·009	− 19·735	+ 0·090	+ 0·07	78
34	25 Cassiopeiæ ν ...	+ 3·3656	+ 0·0462	+ 0·002	− 19·718	+ 0·097	+ 0·02	83
35	35 Andromedæ ν ...	+ 3·2853	+ 0·0326	− 0·001	− 19·699	+ 0·097	+ 0·01	87

Mean Positions of Stars for 1879, *January* 1*st.*

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension. h.	m.	s.	Mean Polar Distance. °	′	″	Observations.	Fraction of Year.
36	19 Ceti ϕ^2...	5·3	...	0	44	3·84	101	17	46·6	2	0·80
37	ρ Phœnicis	5·6	1	0	45	10·31	141	38	50·4	2	0·80
38	Lacaille 250—1st... ...	5·6	5	0	47	48·61	160	9	32·2	5	0·89
39	Radcliffe 247	6·2	3	0	48	12·668	41	58	38·3	8	0·85
40	37 Andromedæ μ... ...	3·9	...	0	50	2·26	52	9	24·7	2	0·82
41	λ^2 Tucanæ	5·6	5	0	50	29·06	160	10	56·4	5	0·92
42	R. P. L. 10	6·6	...	0	50	30·68	1	37	32·1	1	0·76
43	38 Andromedæ η... ...	4·6	...	0	50	44·667	67	14	7·8	3	0·90
44	2 Ursæ Minoris	4·5	...	0	52	27·59	4	23	38·8	3	0·59
45	α Sculptoris	5·0	1	0	52	46·29	120	0	40·2	1	0·82
46	R. P. L. 14	6·2	...	0	55	59·62	3	29	58·5	4	0·89
47	71 Piscium ϵ	4·5	...	0	56	39·85	82	45	40·8	8	0·89
48	ω Phœnicis	5·6	2	0	56	54·58	147	39	15·1	2	0·84
49	30 Cassiopeiæ μ	5·2	...	1	0	13·657	35	40	26·9	8	0·90
50	41 Andromedæ	5·3	...	1	1	4·29	46	42	11·2	2	0·85
51	42 Andromedæ ϕ... ...	4·3	...	1	2	28·89	43	24	13·1	4	0·86
52	ζ Phœnicis	5·1	2	1	3	17·98	145	53	34·3	2	0·86
53	84 Piscium χ	4·9	...	1	4	57·00	69	36	34·6	1	0·82
54	Taylor 396	5·6	3	1	7	11·01	128	29	51·2	4	0·86
55	37 Ceti	5·0	...	1	8	18·26	98	34	22·7	3	0·87
56	ν Phœnicis	4·6	4	1	9	43·48	136	10	41·2	4	0·89
57	κ Tucanæ	5·0	5	1	11	40·41	159	31	9·6	5	0·92
58	Lacaille 361	5·0	3	1	12	52·37	157	2	12·2	4	0·91
59	1 Ursæ Min. α (*Polaris*)...	2·2	...	1	14	22·00	1	20	11·4	2	0·20
60	36 Cassiopeiæ ψ	4·8	...	1	17	24·09	22	30	6·0	28	0·84
61	Lacaille 391	5·2	5	1	17	46·40	157	1	3·1	5	0·91
62	45 Ceti θ^1...	3·8	...	1	17	58·50	98	48	28·3	4	0·89
63	c^2 Phœnicis	5·0	4	1	19	19·27	132	7	20·8	4	0·86
64	46 Ceti	5·3	...	1	19	40·13	105	13	41·2	4	0·90
65	93 Piscium ρ	5·2	...	1	19	44·21	71	27	29·9	2	0·90
66	94 Piscium	5·6	...	1	20	9·66	71	23	14·0	2	0·96
67	38 Cassiopeiæ	5·9	...	1	22	14·83	20	21	30·2	1	0·02
68	49 Andromedæ A ...	5·2	...	1	22	50·93	43	37	2·7	4	0·45
69	R Piscium, Var. 1 ...	9·9	4	1	24	23·60	87	44	42·1	4	0·98
70	99 Piscium η	3·7	...	1	25	0·53	75	16	42·2	9	0·92

42.—Groombridge 144. 46.—Groombridge 195.

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	"	"	"	
36	19 Ceti ϕ^3	+ 3·0212	− 0·0014	− 0·018	− 19·685	+ 0·092	− 0·28	89
37	ρ Phœnicis ...	+ 2·7414	− 0·0246	...	− 19·666	+ 0·086	...	...
38	Lacaille 250—1st ...	+ 2·3050	− 0·0359	...	− 19·619	+ 0·077	...	...
39	Radcliffe 247 ...	+ 3·3825	+ 0·0434	...	− 19·612	+ 0·110	...	...
40	37 Andromedæ μ ...	+ 3·2973	+ 0·0305	+ 0·014	− 19·579	+ 0·112	− 0·05	101
41	λ^2 Tucanæ	+ 2·2617	− 0·0332	...	− 19·570	+ 0·080	...	...
42	R. P. L. 10	+ 13·3714	+ 7·9152	+ 0·116	− 19·568	+ 0·434	+ 0·02	Main
43	38 Andromedæ η ...	+ 3·1955	+ 0·0178	− 0·003	− 19·565	+ 0·110	+ 0·04	104
44	2 Ursæ Minoris ...	+ 7·0200	+ 1·3546	+ 0·068	− 19·531	+ 0·240	+ 0·01	92
45	α Sculptoris ...	+ 2·8960	− 0·0101	...	− 19·525	+ 0·104	...	...
46	R. P. L. 14	+ 8·3604	+ 2·1082	+ 0·054	− 19·458	+ 0·303	+ 0·02	95
47	71 Piscium ϵ ...	+ 3·1138	+ 0·0087	− 0·007	− 19·444	+ 0·119	− 0·04	113
48	ω Phœnicis	+ 2·5534	− 0·0252	...	− 19·439	+ 0·099	...	...
49	30 Cassiopeiæ μ ...	+ 3·5559	+ 0·0577	+ 0·386	− 19·366	+ 0·142	+ 1·58	118
50	41 Andromedæ ...	+ 3·4040	+ 0·0380	+ 0·014	− 19·347	+ 0·138	+ 0·07	129
51	42 Andromedæ ϕ ...	+ 3·4529	+ 0·0429	− 0·003	− 19·314	+ 0·143	+ 0·01	134
52	ζ Phœnicis	+ 2·5335	− 0·0221	− 0·021	− 19·294	+ 0·109	+ 0·02	Stone
53	84 Piscium χ ...	+ 3·2112	+ 0·0169	− 0·001	− 19·254	+ 0·139	− 0·01	150
54	Taylor 396	+ 2·7650	− 0·0126	...	− 19·198	+ 0·124	...	...
55	37 Ceti	+ 3·0131	+ 0·0014	+ 0·006	− 19·171	+ 0·136	− 0·28	164
56	ν Phœnicis	+ 2·6550	− 0·0159	+ 0·070	− 19·133	+ 0·124	− 0·15	Stone
57	κ Tucanæ	+ 1·9712	− 0·0154	+ 0·080	− 19·081	+ 0·096	− 0·07	Stone
58	Lacaille 361 ...	+ 2·0860	− 0·0179	...	− 19·049	+ 0·103	...	...
59	1 Ursæ Minoris α ...	+ 21·3586	+ 15·6572	+ 0·108	− 19·005	+ 1·000	+ 0·00	102
60	36 Cassiopeiæ ψ ...	+ 4·1415	+ 0·1206	+ 0·011	− 18·921	+ 0·207	− 0·01	178
61	Lacaille 391	+ 2·0229	− 0·0147	...	− 18·911	+ 0·106	...	...
62	45 Ceti θ^1	+ 3·0032	+ 0·0018	− 0·007	− 18·905	+ 0·154	+ 0·20	184
63	c^2 Phœnicis ...	+ 2·6621	− 0·0124	...	− 18·865	+ 0·139	...	...
64	46 Ceti	+ 2·9483	− 0·0009	+ 0·001	− 18·856	+ 0·154	− 0·01	190
65	93 Piscium ρ ...	+ 3·2252	+ 0·0163	− 0·006	− 18·853	+ 0·168	− 0·03	185
66	94 Piscium	+ 3·2265	+ 0·0163	+ 0·001	− 18·840	+ 0·169	+ 0·04	189
67	38 Cassiopeiæ ...	+ 4·3376	+ 0·1427	+ 0·026	− 18·777	+ 0·229	+ 0·07	188
68	49 Andromedæ A ...	+ 3·5685	+ 0·0447	− 0·001	− 18·758	+ 0·191	+ 0·04	196
69	R Piscium	+ 3·0013	+ 0·0073	...	− 18·709	+ 0·169	...	...
70	99 Piscium η ...	+ 3·1996	+ 0·0141	− 0·000	− 18·691	+ 0·177	+ 0·00	203

Mean Positions of Stars for 1879, *January* 1*st.*

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension.			Mean Polar Distance.			Observations.	Fraction of Year.
				h.	*m.*	*s.*	°	′	″		
71	Taylor 502	5·8	1	1	27	31·25	127	29	10·6	1	0·02
72	Taylor 504	5·6	4	1	27	39·19	140	20	50·3	4	0·90
73	49 Ceti	5·5	...	1	28	43·34	106	17	48·8	3	0·89
74	50 Andromedæ	4·2	...	1	29	41·62	49	12	0·1	3	0·87
75	51 Andromedæ	3·7	...	1	30	34·13	41	59	7·0	3	0·57
76	Taylor 543	5·8	3	1	33	5·06	127	8	24·7	3	0·31
77	53 Andromedæ τ	4·9	...	1	33	26·18	50	2	10·3	2	0·02
78	Lacaille 499	5·7	4	1	34	50·99	156	13	14·4	4	0·89
79	106 Piscium ν	4·7	...	1	35	8·04	85	7	30·7	7	0·93
80	*p* Eridani—1st	5·7	3	1	35	12·21	146	48	35·7	3	0·94
81	*p* Eridani—2nd	5·6	1	1	35	13·09	146	48	31·4	1	0·89
82	54 Andromedæ	4·2	...	1	36	4·72	39	55	17·4	4	0·67
83	ψ Phœnicis	5·6	3	1	36	8·57	128	44	47·8	4	0·90
84	Lacaille 507	5·0	2	1	37	39·05	151	23	55·5	2	0·99
85	Taylor 587	5·6	3	1	41	21·41	141	25	16·6	3	0·89
86	q^2 Eridani...	5·0	5	1	41	29·61	144	7	47·3	5	0·90
87	53 Ceti χ	4·8	...	1	43	38·47	101	17	6·6	4	0·65
88	2 Trianguli α	3·6	...	1	46	11·24	61	0	41·1	2	0·03
89	5 Arietis γ^2 (N)	5·1	...	1	46	53·40	71	17	51·2	4	0·89
90	5 Arietis γ^1 (S)	5·0	...	1	46	53·41	71	18	0·7	4	0·69
91	6 Arietis β...	2·8	...	1	47	57·35	69	47	3·4	6	0·92
92	Taylor 629	5·1	3	1	48	47·89	136	53	45·5	3	0·32
93	φ Phœnicis	5·0	4	1	49	20·84	133	5	27·7	4	0·91
94	η^1 Hydri, Var.	5·1	2	1	49	31·14	158	32	28·3	2	0·02
95	η^2 Hydri	4·5	2	1	51	51·89	158	14	38·2	2	0·98
96	48 Cassiopeiæ A	4·6	...	1	52	2·48	19	40	50·2	1	0·03
97	Taylor 646	5·8	2	1	52	22·35	137	58	35·7	3	0·59
98	50 Cassiopeiæ	4·1	...	1	53	8·21	18	9	55·0	1	0·02
99	59 Ceti υ	3·8	...	1	54	18·35	111	39	51·5	3	0·88
100	113 Piscium α	4·0	...	1	55	47·05	87	49	15·7	1	0·89
101	Lacaille 616	5·0	4	1	56	30·66	156	39	13·0	4	0·93
102	χ Phœnicis	5·0	2	1	56	51·49	135	17	48·8	2	0·94
103	ν Fornacis...	5·4	3	1	59	4·07	119	52	40·0	3	0·02
104	13 Arietis α	2·0	...	2	0	21·21	67	6	37·8	7	0·70
105	67 Ceti	5·5	...	2	10	56·90	96	58	47·9	16	0·49

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*	″	″	″	
71	Taylor 502	+ 2·6901	− 0·0095	...	− 18·609	+ 0·154	...	...
72	Taylor 404	+ 2·4703	− 0·0136	...	− 18·605	+ 0·142	...	...
73	49 Ceti	+ 2·9248	− 0·0008	+ 0·004	− 18·570	+ 0·169	− 0·01	210
74	50 Andromedæ ...	+ 3·5125	+ 0·0369	− 0·017	− 18·538	+ 0·203	+ 0·37	209
75	51 Andromedæ ...	+ 3·6442	+ 0·0483	+ 0·005	− 18·509	+ 0·212	+ 0·11	212
76	Taylor 543	+ 2·6723	− 0·0086	...	− 18·423	+ 0·162	...	...
77	53 Andromedæ τ ...	+ 3·5165	+ 0·0360	+ 0·001	− 18·411	+ 0·211	+ 0·02	221
78	Lacaille 499	+ 1·8522	− 0·0057	...	− 18·361	+ 0·117	...	...
79	106 Piscium ν ...	+ 3·1183	+ 0·0091	− 0·003	− 18·351	+ 0·191	− 0·01	228
80	p Eridani—1st ...	+ 2·2475	− 0·0123	...	− 18·348	+ 0·140	...	...
81	p Eridani—2nd ...	+ 2·2474	− 0·0118	...	− 18·348	+ 0·140	...	..
82	54 Andromedæ ...	+ 3·7226	+ 0·0528	+ 0·001	− 18·318	+ 0·228	+ 0·08	227
83	ψ Phœnicis	+ 2·6852	− 0·0089	...	− 18·315	+ 0·165	...	...
84	Lacaille 507	+ 2·0588	− 0·0099	...	− 18·261	+ 0·132	...	...
85	Taylor 587	+ 2·3550	− 0·0108	...	− 18·125	+ 0·155	...	...
86	q^3 Eridani	+ 2·2801	− 0·0108	+ 0·012	− 18·120	+ 0·150	− 0·04	Stone
87	53 Ceti χ	+ 2·9557	+ 0·0021	− 0·013	− 18·038	+ 0·196	+ 0·09	242
88	2 Trianguli α ...	+ 3·4034	+ 0·0250	+ 0·000	− 17·904	+ 0·229	+ 0·23	245
89	5 Arietis γ^2	+ 3·2758	+ 0·0172	+ 0·004	− 17·912	+ 0·222	+ 0·10	248
90	5 Arietis γ^1							249
91	6 Arietis β	+ 3·2957	+ 0·0183	+ 0·005	− 17·871	+ 0·226	+ 0·10	252
92	Taylor 629	+ 2·4193	− 0·0089	− 0·015	− 17·837	+ 0·169	+ 0·15	Stone
93	ϕ Phœnicis	+ 2·4980	− 0·0083	− 0·015	− 17·814	+ 0·175	+ 0·04	Stone
94	η^1 Hydri	+ 1·5082	+ 0·0091	...	− 17·808	+ 0·109	...	...
95	η^3 Hydri	+ 1·5013	+ 0·0095	...	− 17·713	+ 0·111	...	...
96	48 Cassiopeiæ A ...	+ 4·8277	+ 0·1641	− 0·014	− 17·705	+ 0·337	+ 0·01	258
97	Taylor 646	+ 2·3737	− 0·0084	...	− 17·691	+ 0·171	...	...
98	50 Cassiopeiæ ...	+ 5·0030	+ 0·1866	− 0·011	− 17·660	+ 0·352	− 0·02	260
99	59 Ceti ν	+ 2·8182	− 0·0013	+ 0·007	− 17·611	+ 0·204	+ 0·02	273
100	113 Piscium α ...	+ 3·0968	+ 0·0084	+ 0·002	− 17·549	+ 0·226	+ 0·01	277
101	Lacaille 616	+ 1·5646	+ 0·0070	...	− 17·518	+ 0·119	...	...
102	χ Phœnicis	+ 2·4130	− 0·0073	− 0·004	− 17·504	+ 0·180	+ 0·02	Stone
103	ν Fornacis	+ 2·6910	− 0·0036	...	− 17·407	+ 0·202	...	...
104	13 Arietis α	+ 3·3553	+ 0·0203	+ 0·013	− 17·352	+ 0·252	+ 0·13	287
105	67 Ceti	+ 2·9838	+ 0·0049	+ 0·004	− 16·868	+ 0·242	+ 0·11	321

Mean Positions of Stars for 1879, *January* 1*st.*

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension.			Mean Polar Distance.			Observations.	Fraction of Year.
				h.	*m.*	*s.*	°	′	″		
106	Taylor 810	5·8	2	2	18	39·09	141	38	42·5	2	0·05
107	72 Ceti ρ	4·9	...	2	20	6·49	102	50	13·0	3	0·04
108	73 Ceti ξ^2	4·4	...	2	21	43·58	82	4	59·2	9	0·86
109	κ Eridani	4·6	3	2	22	33·99	138	14	50·4	3	0·90
110	75 Ceti	5·6	...	2	26	0·01	91	34	11·7	3	0·04
111	76 Ceti σ	4·7	...	2	26	21·22	105	46	35·0	3	0·05
112	78 Ceti ν	4·9	...	2	29	31·50	84	56	8·6	1	0·04
113	81 Ceti	5·7	...	2	31	36·07	93	55	15·5	3	0·04
114	η Horologii	5·5	3	2	33	24·88	143	4	2·6	3	0·62
115	83 Ceti ε	5·0	...	2	33	42·79	102	23	11·8	4	0·25
116	Taylor 906...	5·0	4	2	35	11·29	133	24	40·8	4	0·70
117	13 Persei θ	4·2	...	2	35	56·36	41	17	4·2	4	0·72
118	35 Arietis	4·7	...	2	36	21·42	62	48	31·2	2	0·52
119	ζ Horologii	5·8	1	2	36	53·85	145	4	7·8	1	0·02
120	Lalande 5033	8·0	4	2	36	54·59	72	58	1·6	4	0·95
121	86 Ceti γ^3	3·6	...	2	37	1·86	87	16	30·3	2	0·48
122	36 Arietis	7·0	4	2	37	34·11	72	44	58·2	4	0·96
123	1 Eridani τ^1	4·7	...	2	39	27·36	109	5	8·2	3	0·06
124	39 Arietis	4·6	...	2	40	42·42	61	15	24·7	3	0·04
125	Lacaille 893	5·7	4	2	41	20·40	157	13	25·8	4	0·69
126	42 Arietis π	5·6	...	2	42	32·40	78	2	24·7	5	0·93
127	γ Horologii	5·3	2	2	42	52·50	154	12	46·6	2	0·98
128	γ Fornacis	5·8	1	2	44	29·45	115	4	30·2	1	0·01
129	η^2 Fornacis	5·6	3	2	45	21·18	126	20	44·7	3	0·07
130	2 Eridani τ^2	4·8	...	2	45	32·91	111	30	11·9	1	0·07
131	η^3 Fornacis	5·7	2	2	45	47·14	126	10	27·7	2	0·46
132	44 Arietis ρ^1	7·2	8	2	48	8·39	72	45	30·7	8	0·94
133	Lacaille 943	5·6	4	2	49	7·58	158	1	7·9	4	0·90
134	46 Arietis ρ^3	7·4	4	2	49	36·32	72	27	38·7	4	0·95
135	22 Persei π	4·7	...	2	51	1·80	50	49	22·7	2	0·03
136	Lalande 5456	8·1	4	2	51	7·70	72	40	27·1	4	0·96
137	4 Eridani	5·4	...	2	52	1·01	114	20	52·5	2	0·05
138	6 Eridani	6·1	...	2	52	42·67	114	5	38·0	1	0·08
139	50 Arietis	7·5	9	2	53	43·44	72	28	34·1	9	0·94
140	8 Eridani ρ^1	5·6	5	2	55	13·18	98	8	24·8	5	0·42

120—122—126—134—136—139.—Comparison stars for Mars 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.	
		s	s	s	"	"	"	
106	Taylor 810	+ 2·1114	− 0·0032	...	− 16·495	+ 0·182	...	...
107	72 Ceti ρ	+ 2·8974	+ 0·0031	− 0·003	− 16·422	+ 0·249	− 0·00	343
108	73 Ceti ξ²	+ 3·1801	+ 0·0117	+ 0·001	− 16·341	+ 0·276	+ 0·00	347
109	κ Eridani	+ 2·1996	− 0·0033	...	− 16·298	+ 0·194	...	...
110	75 Ceti	+ 3·0505	+ 0·0074	− 0·002	− 16·120	+ 0·271	+ 0·03	354
111	76 Ceti σ	+ 2·8471	+ 0·0024	− 0·006	− 16·102	+ 0·254	+ 0·11	356
112	78 Ceti ν	+ 3·1441	+ 0·0103	− 0·005	− 15·935	+ 0·285	+ 0·03	362
113	81 Ceti	+ 3·0160	+ 0·0066	+ 0·002	− 15·824	+ 0·277	+ 0·03	368
114	η Horologii	+ 1·9686	− 0·0001	...	− 15·726	+ 0·185	+ 0·02	Stone
115	83 Ceti ε	+ 2·8898	+ 0·0038	+ 0·008	− 15·710	+ 0·269	+ 0·25	375
116	Taylor 906	+ 2·2798	− 0·0022	+ 0·006	− 15·628	+ 0·215	+ 0·03	Stone
117	13 Persei θ	+ 4·0302	+ 0·0508	+ 0·033	− 15·588	+ 0·376	+ 0·09	374
118	85 Arietis	+ 3·5054	+ 0·0233	− 0·002	− 15·566	+ 0·329	+ 0·01	380
119	ζ Horologii	+ 1·8618	+ 0·0017	...	− 15·536	+ 0·179	...	...
120	Lalande 5033 ...	+ 3·3313	+ 0·0165	...	− 15·535	+ 0·314	...	...
121	86 Ceti γ²	+ 3·1126	+ 0·0094	− 0·011	− 15·528	+ 0·294	+ 0·16	383
122	36 Arietis	+ 3·3358	+ 0·0166	+ 0·002	− 15·498	+ 0·315	+ 0·03	384
123	1 Eridani τ¹	+ 2·7758	+ 0·0016	+ 0·022	− 15·393	+ 0·267	− 0·05	390
124	39 Arietis	+ 3·5453	+ 0·0253	+ 0·010	− 15·322	+ 0·340	+ 0·11	389
125	Lacaille 893	+ 1·0114	+ 0·0279	+ 0·017	− 15·287	+ 0·102	+ 0·06	Stone
126	42 Arietis π	+ 3·3379	+ 0·0163	− 0·001	− 15·218	+ 0·322	− 0·00	397
127	γ Horologii	+ 1·2672	+ 0·0175	...	− 15·199	+ 0·127	...	...
128	γ Fornacis	+ 2·6611	+ 0·0008	...	− 15·107	+ 0·261	...	...
129	η² Fornacis	+ 2·4226	− 0·0009	...	− 15·057	+ 0·239	...	...
130	2 Eridani τ²	+ 2·7241	+ 0·0016	− 0·006	− 15·046	+ 0·268	+ 0·02	404
131	η³ Fornacis	+ 2·4252	− 0·0008	...	− 15·032	+ 0·240	...	...
132	44 Arietis ρ¹	+ 3·3501	+ 0·0164	...	− 14·895	+ 0·333	...	...
133	Lacaille 943	+ 0·8438	+ 0·0342	...	− 14·886	+ 0·089	...	...
134	46 Arietis ρ²	+ 3·3572	+ 0·0165	+ 0·019	− 14·809	+ 0·336	+ 0·19	408
135	22 Persei π	+ 3·8119	+ 0·0346	+ 0·001	− 14·725	+ 0·383	+ 0·03	411
136	Lalande 5456 ...	+ 3·3555	+ 0·0164	...	− 14·719	+ 0·338	...	...
137	4 Eridani	+ 2·6597	+ 0·0014	+ 0·005	− 14·665	+ 0·270	+ 0·03	418
138	6 Eridani	+ 2·6632	+ 0·0015	− 0·001	− 14·624	+ 0·272	+ 0·00	423
139	50 Arietis	+ 3·3625	+ 0·0164	− 0·003	− 14·564	+ 0·343	0·00	420
140	8 Eridani ρ¹ ...	+ 2·9399	+ 0·0056	+ 0·005	− 14·473	+ 0·302	+ 0·08	427

Mean Positions of Stars for 1879, *January* 1*st.*

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension. h.	m.	s.	Mean Polar Distance. °	′	″	Observations.	Fraction of Year.
141	92 Ceti α (*Menkar*) ...	2·7	...	2	55	57·38	86	23	7·2	2	0·49
142	23 Persei γ	3·1	...	2	56	2·19	36	58	7·5	2	0·05
143	Radcliffe 860	5·0	1	2	56	27·68	33	46	14·8	1	0·06
144	9 Eridani ρ^2	5·4	...	2	56	45·99	98	9	43·9	1	0·03
145	10 Eridani ρ^3	5·4	...	2	58	19·97	98	4	30·5	3	0·33
146	Lalande 5701	9·3	8	2	58	57·94	72	17	30·9	8	0·95
147	53 Arietis	7·6	8	3	0	37·08	72	35	18·7	8	0·94
148	27 Persei κ	4·0	...	3	1	20·21	45	36	8·9	2	0·49
149	28 Persei ω	4·7	...	3	3	29·00	50	50	57·4	3	0·05
150	R. P. L. 33	5·8	...	3	3	56·71	5	31	19·4	1	0·05
151	57 Arietis δ	4·5	...	3	4	42·75	70	43	55·9	4	0·71
152	94 Ceti	5·0	...	3	6	36·04	91	38	59·5	5	0·59
153	Radcliffe 914	5·0	3	3	9	22·00	24	47	29·6	3	0·35
154	Lalande 6095	7·8	7	3	11	29·34	72	16	11·2	7	0·95
155	... ...	9·3	6	3	11	48·85	71	58	11·0	6	0·95
156	95 Ceti	5·7	...	3	12	11·02	91	22	19·0	3	0·04
157	96 Ceti κ^1	5·0	...	3	13	1·03	87	4	28·9	2	0·06
158	15 Eridani	5·0	...	3	13	1·17	112	57	15·5	3	0·34
159	e Eridani	4·4	1	3	15	5·90	133	32	1·3	1	0·07
160	ζ^1 Reticuli	5·5	1	3	15	8·90	153	2	21·1	1	0·02
161	ζ^2 Reticuli	5·4	1	3	15	35·18	152	58	9·1	1	0·08
162	33 Persei α	1·9	...	3	15	41·45	40	34	15·7	1	0·01
163	... ...	9·3	7	3	16	46·38	71	52	36·8	7	0·96
164	Radcliffe 956	4·3	4	3	19	17·08	30	29	0·0	4	0·26
165	Lalande 6341	7·8	4	3	20	8·80	71	40	6·8	5	0·94
166	Radcliffe 962	4·3	3	3	20	16·11	31	32	28·9	3	0·33
167	Radcliffe 969	5·2	1	3	20	46·93	34	58	6·9	1	0·05
168	... ...	9·9	3	3	21	14·74	71	56	26·8	3	0·96
169	35 Persei σ	4·4	...	3	22	3·00	42	25	27·8	1	0·06
170	... ...	9·4	3	3	22	52·97	71	40	44·8	3	0·95
171	17 Eridani	4·8	...	3	24	36·92	95	29	27·4	3	0·35
172	Lalande 6483	8·9	6	3	24	49·22	71	36	50·6	6	0·95
173	τ Eridani	5·6	3	3	25	54·82	131	46	45·0	3	0·36
174	R. P. L. 34	5·9	...	3	27	0·56	3	44	14·7	2	0·27
175	37 Persei ψ	4·2	...	3	27	53·44	42	12	39·5	3	0·33

146—147—154—155—163—165—168—170—172.—Comparison stars for Mars in 1879.
150.—Groombridge 595. 174.—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.	
		s	*s*	*s*	"	"	"	
141	92 Ceti α	+ 3·1309	+ 0·0098	− 0·003	− 14·428	+ 0·323	+ 0·07	428
142	23 Persei γ	+ 4·3063	+ 0·0594	− 0·002	− 14·421	+ 0·442	+ 0·00	422
143	Radcliffe 860 ...	+ 4·4641	+ 0·0689	...	− 14·398	+ 0·458	...	...
144	9 Eridani ρ^2	+ 2·9386	+ 0·0057	+ 0·001	− 14·379	+ 0·304	− 0·01	432
145	10 Eridani ρ^3 ...	+ 2·9391	+ 0·0057	+ 0·003	− 14·283	+ 0·306	− 0·01	435
146	Lalande 5701 ...	+ 3·3727	+ 0·0164	...	− 14·244	+ 0·352	...	...
147	53 Arietis	+ 3·3695	+ 0·0161	− 0·003	− 14·142	+ 0·354	− 0·01	439
148	27 Persei κ	+ 4·0033	+ 0·0410	+ 0·015	− 14·097	+ 0·421	+ 0·16	438
149	28 Persei ω	+ 3·8535	+ 0·0336	− 0·003	− 13·962	+ 0·409	− 0·02	443
150	R. P. L. 33	+ 13·0172	+ 1·6088	+ 0·045	− 13·934	+ 1·371	+ 0·12	402
151	57 Arietis δ	+ 3·4095	+ 0·0171	+ 0·010	− 13·885	+ 0·364	− 0·01	446
152	94 Ceti	+ 3·0443	+ 0·0078	+ 0·012	− 13·767	+ 0·329	+ 0·07	450
153	Radcliffe 914 ...	+ 5·2024	+ 0·1120	...	− 13·580	+ 0·563	...	...
154	Lalande 6095 ...	+ 3·3892	+ 0·0159	...	− 13·452	+ 0·367	...	...
155	... ...	+ 3·3954	+ 0·0161	...	− 13·431	+ 0·373	...	...
156	95 Ceti	+ 3·0484	+ 0·0079	+ 0·016	− 13·407	+ 0·336	− 0·07	461
157	96 Ceti κ^1	+ 3·1233	+ 0·0094	+ 0·016	− 13·353	+ 0·345	− 0·11	463
158	15 Eridani	+ 2·6498	+ 0·0024	− 0·000	− 13·352	+ 0·294	− 0·01	466
159	e Eridani	+ 2·1170	+ 0·0017	+ 0·266	− 13·217	+ 0·238	− 0·75	Stone
160	ζ^1 Reticuli	+ 1·0951	+ 0·0203	+ 0·194	− 13·213	+ 0·126	− 0·65	Stone
161	ζ^2 Reticuli	+ 1·0979	+ 0·0201	+ 0·190	− 13·185	+ 0·127	− 0·65	Stone
162	33 Persei α	+ 4·2402	+ 0·0483	+ 0·002	− 13·177	+ 0·472	+ 0·03	464
163	.. ..	+ 3·4034	+ 0·0160	...	− 13·106	+ 0·381	...	...
164	Radcliffe 956 ...	+ 4·8075	+ 0·0773	...	− 12·939	+ 0·541	...	...
165	Lalande 6341 ...	+ 3·4117	+ 0·0159	...	− 12·881	+ 0·387	...	...
166	Radcliffe 962 ...	+ 4·7428	+ 0·0728	...	− 12·873	+ 0·535	...	...
167	Radcliffe 969 ...	+ 4·5408	+ 0·0613	...	− 12·842	+ 0·515	...	...
168	... ...	+ 3·4077	+ 0·0158	...	− 12·807	+ 0·387	...	...
169	35 Persei σ	+ 4·2012	+ 0·0436	0·000	− 12·748	+ 0·477	− 0·02	479
170	... ...	+ 3·4149	+ 0·0159	...	− 12·696	+ 0·390	...	...
171	17 Eridani	+ 2·9722	+ 0·0066	− 0·001	− 12·578	+ 0·342	− 0·00	487
172	Lalande 6483 ...	+ 3·4186	+ 0·0157	...	− 12·564	+ 0·393	...	...
173	ν Eridani	+ 2·1385	+ 0·0021	...	− 12·490	+ 0·249	...	...
174	R. P. L. 34	+ 19·1435	+ 3·2441	+ 0·136	− 12·415	+ 2·197	+ 0·06	Gr.
175	37 Persei ψ	+ 4·2332	+ 0·0436	+ 0·002	− 12·354	+ 0·491	+ 0·04	488

174.—Proper motions from *Greenwich Catalogue* 1872.

Mean Positions of Stars for 1879, *January* 1*st.*

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension.			Mean Polar Distance.			Observations.	Fraction of Year.
				h.	*m.*	*s.*	°	′	″		
176	Lacaille 1164	5·6	1	3	29	37·65	156	53	57·2	1	0·08
177	Lalande 6656	9·3	8	3	30	26·31	71	48	14·6	9	0·94
178	10 Tauri	4·4	...	3	30	41·85	89	59	0·2	2	0·03
179	γ Eridani	5·1	5	3	32	45·14	130	40	22·0	5	0·41
180	Lacaille 1188	5·7	2	3	33	3·22	156	9	58·5	2	0·53
181	τ Fornacis...	5·6	2	3	33	45·69	118	20	20·5	2	0·05
182	22 Eridani	5·4	...	3	34	39·09	95	36	9·2	3	0·35
183	Radcliffe 1039	5·0	2	3	35	28·30	27	2	19·8	2	0·05
184	38 Persei o	4·0	...	3	36	44·00	58	5	48·7	3	0·36
185	41 Persei ν	4·0	...	3	36	58·48	47	48	16·3	1	0·92
186	16 Tauri (*Celœus*) ...	5·8	2	3	37	36·70	66	5	33·3	2	0·50
187	24 Tauri	7·3	3	3	40	9·60	66	15	35·0	3	0·37
188	25 Tauri η (*Alcyone*) ...	3·0	...	3	40	17·47	66	16	13·4	2	0·48
189	W. B. N. III. 883... ...	9·5	8	3	41	0·25	71	42	42·8	8	0·95
190	Taylor 1304	5·6	1	3	41	30·40	137	44	13·7	1	0·09
191	27 Tauri (*Atlas*)	3·8	...	3	41	58·10	66	19	5·6	1	0·05
192	28 Tauri (*Pleione*) ...	...	...	3	41	59·37	66	14	5·1	1	0·09
193	f^1 Eridani...	5·5	1	3	44	7·70	127	59	33·4	1	0·91
194	Lalande 7131	9·3	9	3	45	20·38	71	26	48·6	9	0·94
195	44 Persei ζ	3·1	...	3	46	31·67	58	28	38·0	4	0·27
196	Radcliffe 1089	5·1	2	3	46	45·79	27	17	4·7	2	0·06
197	32 Eridani (*S*)	5·1	...	3	48	12·74	93	18	50·0	4	0·08
198	33 Eridani τ^3	5·1	5	3	48	33·78	114	58	15·7	5	0·26
199	υ^3 Eridani...	5·0	1	3	49	2·39	125	5	26·9	1	0·99
200	45 Persei ϵ	3·0	...	3	49	44·43	50	20	31·6	2	0·04
201	46 Persei ξ	4·1	...	3	51	6·99	54	33	29·7	5	0·40
202	34 Eridani γ^1	3·0	...	3	52	22·99	103	51	14·0	4	0·27
203	36 Eridani τ^9	4·6	...	3	54	46·01	114	21	36·8	4	0·07
204	35 Eridani	5·2	...	3	55	24·20	91	53	22·4	3	0·10
205	38 Tauri ν...	4·0	...	3	56	43·18	84	20	50·6	1	0·99
206	47 Persei λ	4·5	...	3	57	34·51	39	58	44·5	2	0·05
207	R. P. L. 35	6·7	...	3	59	5·72	4	45	57·2	4	0·96
208	ι Reticuli	5·1	2	3	59	20·63	151	25	5·7	2	0·06
209	48 Persei c	4·3	...	3	59	52·86	42	36	44·1	2	0·09
210	Taylor 1438	5·7	5	4	3	26·56	139	57	10·2	5	0·07

177—189—194.—Comparison stars for Mars in 1879.

207.—Groombridge 750.

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	"	"	"	
176	Lacaille 1164 ...	+ 0·5887	+ 0·0357	...	− 12·234	+ 0·073	...	...
177	Lalande 6656 ...	+ 3·4214	+ 0·0154	...	− 12·178	+ 0·401	...	...
178	10 Tauri	+ 3·0725	+ 0·0082	− 0·016	− 12·160	+ 0·361	+ 0·50	497
179	y Eridani	+ 2·1525	+ 0·0024	...	− 12·017	+ 0·256	...	...
180	Lacaille 1188 ...	+ 0·6470	+ 0·0326	...	− 11·995	+ 0·080	...	...
181	τ Fornacis	+ 2·4931	+ 0·0023	...	− 11·945	+ 0·297	...	...
182	22 Eridani	+ 2·9667	+ 0·0065	− 0·003	− 11·883	+ 0·353	− 0·01	505
183	Radcliffe 1039 ...	+ 5·1880	+ 0·0892	...	− 11·825	+ 0·615	...	...
184	38 Persei o	+ 3·7471	+ 0·0235	− 0·000	− 11·735	+ 0·448	+ 0·00	501
185	41 Persei ν	+ 4·0558	+ 0·0336	− 0·002	− 11·719	+ 0·484	+ 0·01	506
186	16 Tauri	+ 3·5542	+ 0·0180	+ 0·001	− 11·673	+ 0·431	+ 0·06	508
187	24 Tauri	+ 3·5542	+ 0·0177	− 0·002	− 11·492	+ 0·429	+ 0·06	520
188	25 Tauri η	+ 3·5541	+ 0·0177	− 0·000	− 11·482	+ 0·430	+ 0·04	521
189	W. B. N. III. 883 ...	+ 3·4353	+ 0·0148	...	− 11·430	+ 0·416	...	...
190	Taylor 1304	+ 1·8617	+ 0·0046	...	− 11·395	+ 0·228	...	...
191	27 Tauri ...	+ 3·5555	+ 0·0175	− 0·000	− 11·361	+ 0·432	+ 0·05	527
192	28 Tauri	+ 3·5574	+ 0·0175	− 0·001	− 11·360	+ 0·432	+ 0·06	528
193	f^1 Eridani	+ 2·2062	+ 0·0026	+ 0·009	− 11·204	+ 0·272	+ 0·04	Stone
194	Lalande 7131 ...	+ 3·4458	+ 0·0146	...	− 11·117	+ 0·423	...	...
195	44 Persei ζ	+ 3·7571	+ 0·0221	− 0·000	− 11·081	+ 0·462	+ 0·00	534
196	Radcliffe 1089 ...	+ 5·2385	+ 0·0837	...	− 11·013	+ 0·642	...	...
197	32 Eridani	+ 3·0073	+ 0·0070	+ 0·002	− 10·907	+ 0·373	+ 0·00	540
198	33 Eridani τ^8 ...	+ 2·5493	+ 0·0030	...	− 10·881	+ 0·319	...	...
199	υ^3 Eridani	+ 2·2822	+ 0·0026	− 0·008	− 10·846	+ 0·285	+ 0·05	Stone
200	45 Persei ϵ	+ 4·0063	+ 0·0289	+ 0·000	− 10·795	+ 0·497	+ 0·02	539
201	46 Persei ξ	+ 3·8773	+ 0·0247	− 0·001	− 10·693	+ 0·483	+ 0·01	542
202	34 Eridani γ^1 ...	+ 2·7924	+ 0·0047	+ 0·008	− 10·599	+ 0·351	+ 0·11	546
203	36 Eridani τ^9 ...	+ 2·5551	+ 0·0033	− 0·000	− 10·421	+ 0·322	− 0·02	551
204	35 Eridani	+ 3·0344	+ 0·0072	− 0·001	− 10·373	+ 0·382	+ 0·03	550
205	38 Tauri ν	+ 3·1860	+ 0·0093	+ 0·000	− 10·275	+ 0·403	+ 0·01	553
206	47 Persei λ	+ 4·4447	+ 0·0414	− 0·002	− 10·211	+ 0·561	+ 0·03	549
207	R. P. L. 35	+ 16·9266	+ 1·8092	+ 0·057	− 10·097	+ 2·136	− 0·05	Gr.
208	ι Reticuli	+ 0·9506	+ 0·0190	+ 0·010	− 10·077	+ 0·124	− 0·03	Stone
209	48 Persei c	+ 4·3304	+ 0·0366	+ 0·002	− 10·036	+ 0·560	+ 0·03	557
210	22 Taylor 1438 ...	+ 1·6829	+ 0·0064	...	− 9·765	+ 0·218	...	...

207.—Proper motions from *Greenwich Catalogue* 1872.

Mean Positions of Stars for 1879, *January* 1*st*.

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension.			Mean Polar Distance.			Observations.	Fraction of Year.
				h.	*m.*	*s.*	°	′	″		
211	38 Eridani o^1	4·1	...	4	5	57·48	97	9	14·4	4	0·75
212	51 Persei μ	4·2	...	4	6	1·12	41	54	0·3	2	0·05
213	52 Persei f	4·9	...	4	6	39·31	49	49	28·8	4	0·30
214	39 Eridani A	4·9	...	4	8	38·39	100	33	28·0	2	0·51
215	49 Tauri μ...	4·3	...	4	8	57·90	81	24	42·2	5	0·08
216	δ^1 Persei	4·6	...	4	9	8·94	40	0	15·0	5	0·60
217	40 Eridani o^2	4·5	...	4	9	42·29	97	50	32·0	1	0·07
218	α Horologii	5·0	3	4	9	59·44	132	35	36·7	3	0·07
219	52 Tauri ϕ	5·1	...	4	12	54·86	62	56	25·5	5	0·04
220	ψ Horologii—1st	5·1	4	4	15	26·80	134	33	29·7	4	0·09
221	64 Tauri δ^2	4·7	...	4	17	7·23	72	50	18·2	5	0·24
222	68 Tauri δ^3	4·2	...	4	18	29·38	72	21	1·8	5	0·40
223	Taylor 1537	5·7	5	4	18	41·42	125	49	39·0	5	0·44
224	73 Tauri π...	4·9	...	4	19	46·33	75	33	40·1	3	0·36
225	η Reticuli	5·1	5	4	20	35·12	153	40	26·5	5	0·45
226	74 Tauri ϵ	3·7	...	4	21	33·05	71	5	23·2	6	0·38
227	77 Tauri θ^1	3·9	...	4	21	39·79	74	18	27·6	5	0·07
228	78 Tauri θ^2	3·6	...	4	21	45·26	74	23	57·3	4	0·05
229	86 Tauri ρ...	4·8	...	4	26	58·88	75	24	40·9	5	0·45
230	47 Eridani	5·6	...	4	28	20·88	98	29	6·5	1	0·95
231	50 Eridani v^6	4·4	...	4	28	45·73	120	0	44·3	5	0·46
232	87 Tauri α (*Aldebaran*) ...	1·0	...	4	28	58·71	73	44	9·3	6	0·04
233	88 Tauri d...	4·6	...	4	29	0·32	80	5	19·0	2	0·11
234	90 Tauri c^1	4·3	...	4	31	23·49	77	43	58·2	2	0·55
235	51 Eridani c	5·3	...	4	31	30·65	92	43	0·4	2	0·10
236	93 Tauri c^2	5·3	...	4	33	19·25	78	2	26·3	5	0·46
237	α Cœli	4·6	4	4	36	39·62	132	5	45·1	4	0·31
238	4 Camelopardi	5·4	...	4	37	55·65	33	27	35·2	3	0·11
239	Taylor 1669	5·6	5	4	38	28·61	120	59	28·7	5	0·45
240	57 Eridani μ	4·3	...	4	39	27·12	93	28	37·6	2	0·12
241	λ Cœli	5·5	3	4	39	45·52	131	17	25·9	3	0·41
242	ζ Cœli	5·8	1	4	41	50·10	129	34	33·0	1	0·10
243	1 Orionis π^1	3·3	...	4	43	16·14	83	15	4·9	1	0·10
244	2 Orionis π^2	4·4	...	4	44	1·06	81	18	30·1	3	0·39
245	3 Orionis π^3	4·0	...	4	44	45·84	84	36	11·0	2	0·10

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*	"	"	"	
211	33 Eridani o^1 ...	+ 2·9248	+ 0·0056	− 0·001	− 9·572	+ 0·379	− 0·09	568
212	51 Persei μ	+ 4·3817	+ 0·0362	− 0·001	− 9·567	+ 0·565	+ 0·03	564
213	52 Persei f	+ 4·0658	+ 0·0267	+ 0·000	− 9·519	+ 0·525	+ 0·03	565
214	39 Eridani A ...	+ 2·8519	+ 0·0052	− 0·003	− 9·365	+ 0·372	+ 0·16	574
215	49 Tauri μ	+ 3·2510	+ 0·0095	− 0·000	− 9·340	+ 0·423	+ 0·01	573
216	b^1 Persei	+ 4·4826	+ 0·0385	...	− 9·326	+ 0·582	...	...
217	40 Eridani o^2 ...	+ 2·9092	+ 0·0056	− 0·144	− 9·283	+ 0·380	+ 3·44	578
218	α Horologii	+ 1·9821	+ 0·0040	− 0·001	− 9·261	+ 0·260	+ 0·23	Stone
219	52 Tauri ϕ	+ 3·6819	+ 0·0164	− 0·002	− 9·034	+ 0·483	+ 0·07	582
220	ψ Horologii—1st ...	+ 1·8904	+ 0·0045	− 0·002	− 8·833	+ 0·251	− 0·03	Stone
221	64 Tauri δ^2	+ 3·4443	+ 0·0118	+ 0·007	− 8·704	+ 0·456	+ 0·02	597
222	68 Tauri δ^3	+ 3·4566	+ 0·0118	+ 0·007	− 8·595	+ 0·459	+ 0·03	601
223	Taylor 1537	+ 2·1998	+ 0·0034	...	− 8·579	+ 0·294	...	...
224	73 Tauri π	+ 3·3841	+ 0·0107	− 0·001	− 8·494	+ 0·451	+ 0·02	608
225	η Reticuli	+ 0·6205	+ 0·0231	+ 0·013	− 8·429	+ 0·086	− 0·17	Stone
226	74 Tauri ϵ	+ 3·4887	+ 0·0120	+ 0·007	− 8·352	+ 0·466	+ 0·03	609
227	77 Tauri θ^1	+ 3·4138	+ 0·0110	+ 0·005	− 8·343	+ 0·456	+ 0·02	612
228	78 Tauri θ^2	+ 3·4118	+ 0·0110	+ 0·006	− 8·336	+ 0·456	+ 0·00	613
229	86 Tauri ρ	+ 3·3920	+ 0·0102	+ 0·006	− 7·919	+ 0·457	+ 0·02	627
230	47 Eridani	+ 2·8885	+ 0·0052	− 0·004	− 7·807	+ 0·391	− 0·01	634
231	50 Eridani v^6 ...	+ 2·3604	+ 0·0033	− 0·010	− 7·774	+ 0·320	+ 0·26	636
232	87 Tauri α	+ 3·4319	+ 0·0105	+ 0·004	− 7·757	+ 0·464	+ 0·18	630
233	88 Tauri d	+ 3·2877	+ 0·0088	+ 0·001	− 7·755	+ 0·445	+ 0·05	632
234	90 Tauri c^1	+ 3·3415	+ 0·0093	+ 0·006	− 7·562	+ 0·454	+ 0·01	639
235	51 Eridani c	+ 3·0135	+ 0·0060	+ 0·003	− 7·553	+ 0·410	− 0·07	642
236	93 Tauri c^2	+ 3·3355	+ 0·0090	− 0·001	− 7·405	+ 0·455	+ 0·02	646
237	α Cœli	+ 1·9435	+ 0·0042	− 0·016	− 7·133	+ 0·268	+ 0·11	Stone
238	4 Camelopardi ...	+ 4·9670	+ 0·0409	+ 0·003	− 7·029	+ 0·681	+ 0·16	649
239	Taylor 1669... ...	+ 2·3195	+ 0·0030	...	− 6·984	+ 0·321	...	...
240	57 Eridani μ ...	+ 2·9960	+ 0·0055	− 0·000	− 6·904	+ 0·413	+ 0·00	657
241	λ Cœli	+ 1·9604	+ 0·0040	...	− 6·879	+ 0·273	...	...
242	ζ Cœli	+ 2·0307	+ 0·0037	...	− 6·708	+ 0·282	...	...
243	1 Orionis π^1	+ 3·2217	+ 0·0071	+ 0·030	− 6·589	+ 0·447	− 0·02	663
244	2 Orionis π^2	+ 3·2655	+ 0·0075	− 0·001	− 6·528	+ 0·453	+ 0·03	667
245	3 Orionis π^3 ...	+ 3·1916	+ 0·0067	− 0·001	− 6·466	+ 0·443	+ 0·00	670

Mean Positions of Stars for 1879, *January* 1*st.*

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension.			Mean Polar Distance.			Observations.	Fraction of Year.
				h.	*m.*	*s.*	°	′	″		
246	4 Orionis o^1	5·4	...	4	45	41·26	75	57	8·2	3	0·11
247	ν Cœli	5.7	2	4	46	20·22	131	31	49·2	2	0·12
248	61 Eridani ω	4·2	...	4	46	57·03	95	39	22·0	3	0·40
249	3 Aurigæ ι	2·7	...	4	49	6·91	57	1	38·9	16	0·05
250	9 Orionis o^2	4·3	...	4	49	33·96	76	40	41·8	3	0·40
251	4 Aurigæ	5·1	...	4	51	2·55	52	17	39·6	2	0·09
252	10 Camelopardi β ...	4·2	...	4	52	39·89	29	44	14·3	2	0·13
253	8 Aurigæ ζ	4·0	...	4	54	1·07	49	6	10·0	3	0·10
254	63 Eridani	5·7	...	4	54	7·04	100	26	29·8	3	0·12
255	65 Eridani ψ	4·7	...	4	55	34·28	97	21	9·4	2	0·12
256	Taylor 1806	5·0	2	4	57	14·58	116	26	51·7	2	0·11
257	η^1 Pictoris	5·5	3	4	59	38·67	139	19	23·2	3	0·10
258	Taylor 1836	7·2	2	5	0	7·63	139	39	41·9	2	0·13
259	2 Leporis ϵ	3·3	...	5	0	20·25	112	32	4·6	13	0·07
260	η^2 Pictoris	5·5	3	5	1	49·84	139	44	30·0	3	0·13
261	ζ Doradûs	5·1	4	5	3	26·42	147	38	18·4	4	0·15
262	11 Aurigæ μ	4·9	...	5	5	8·92	51	39	37·6	2	0·13
263	3 Leporis ι	4·7	...	5	6	39·10	102	0	56·1	3	0·10
264	17 Orionis ρ	4·5	...	5	6	58·12	87	17	2·0	4	0·34
[29·67] 265	5 Leporis μ	3·3	...	5	7	29·46	106	20	57·8	3	0·13
[38·93] 266	4 Leporis κ	4·6	...	5	7	38·98	103	5	7·6	3	0·14
267	19 Orionis β (*Rigel*) ...	0·3	...	5	8	43·34	98	20	32·5	4	0·09
268	15 Aurigæ λ	5·0	...	5	10	38·01	50	0	37·9	4	0·14
269	6 Leporis λ	4·3	...	5	14	0·12	103	18	9·5	5	0·14
270	7 Leporis ν	5·2	...	5	14	22·17	102	26	27·6	3	0·11
271	22 Orionis o	4·6	...	5	15	35·34	90	30	11·9	5	0·32
272	23 Orionis m	5·0	...	5	16	28·77	86	34	26·1	2	0·14
273	29 Orionis e	4·3	...	5	18	7·23	97	55	12·9	2	0·14
274	28 Orionis η	3·5	...	5	18	23·66	92	30	35·3	3	0·14
275	112 Tauri β	1·9	...	5	18	38·61	61	29	48·5	8	0·07
276	24 Aurigæ ϕ	5·3	...	5	19	37·71	55	37	43·3	2	0·15
277	30 Orionis ψ^2	4·7	...	5	20	29·93	87	0	38·1	5	0·14
278	R. P. L. 40	6·0	...	5	23	23·58	4	52	10·8	6	0·30
279	31 Orionis, Var. ...	5·0	3	5	23	35·69	91	11	19·9	3	0·13
280	32 Orionis A	4·3	...	5	24	18·48	84	8	41·7	4	0·14

278.—Groombridge 944.

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*	″	″	″	
246	4 Orionis o^1	+ 3·3894	+ 0·0086	− 0·001	− 6·389	+ 0·471	+ 0·06	672
247	ν Cœli	+ 1·9489	+ 0·0041	− 0·005	− 6·335	+ 0·273	− 0·10	Stone
248	61 Eridani ω... ...	+ 2·9465	+ 0·0050	− 0·004	− 6·285	+ 0·411	− 0·04	676
249	3 Aurigæ ι	+ 3·8984	+ 0·0144	+ 0·001	− 6·104	+ 0·544	+ 0·00	677
250	9 Orionis o^2	+ 3·3740	+ 0·0082	− 0·006	− 6·066	+ 0·472	+ 0·05	682
251	4 Aurigæ	+ 4·0592	+ 0·0165	+ 0·000	− 5·944	+ 0·568	+ 0·10	683
252	10 Camelopardi β ...	+ 5·3124	+ 0·0419	0·000	− 5·807	+ 0·744	+ 0·01	681
253	8 Aurigæ ζ	+ 4·1826	+ 0·0176	− 0·001	− 5·693	+ 0·587	+ 0·01	693
254	63 Eridani	+ 2·8360	+ 0·0043	+ 0·001	− 5·686	+ 0·399	+ 0·12	697
255	65 Eridani ψ... ...	+ 2·9066	+ 0·0045	− 0·002	− 5·564	+ 0·409	− 0·02	701
256	Taylor 1806	+ 2·4320	+ 0·0032	+ 0·005	− 5·423	+ 0·343	+ 0·10	Stone
257	η^1 Pictoris	+ 1·5703	+ 0·0056	...	− 5·220	+ 0·223	...	...
258	Taylor 1836	+ 1·5513	+ 0·0058	...	− 5·179	+ 0·221	...	...
259	2 Leporis ϵ	+ 2·5362	+ 0·0033	+ 0·000	− 5·162	+ 0·359	+ 0·07	718
260	η^2 Pictoris	+ 1·5440	+ 0·0057	...	− 5·035	+ 0·220	...	...
261	ζ Doradûs	+ 1·0264	+ 0·0068	...	− 4·899	+ 0·147	...	...
262	11 Aurigæ μ	+ 4·0994	+ 0·0139	− 0·005	− 4·754	+ 0·583	+ 0·07	719
263	3 Leporis ι	+ 2·7954	+ 0·0038	...	− 4·626	+ 0·399	...	...
264	17 Orionis ρ	+ 3·1340	+ 0·0051	...	− 4·599	+ 0·447	...	...
265	5 Leporis μ	+ 2·6903	+ 0·0035	+ 0·000	− 4·555	+ 0·384	+ 0·02	732
266	4 Leporis κ	+ 2·7695	+ 0·0036	− 0·002	− 4·541	+ 0·395	+ 0·01	730
267	19 Orionis β	+ 2·8811	+ 0·0040	− 0·001	− 4·450	+ 0·412	− 0·01	736
268	15 Aurigæ λ... ...	+ 4·1678	+ 0·0133	+ 0·045	− 4·286	+ 0·595	+ 0·66	731
269	6 Leporis λ	+ 2·7625	+ 0·0034	− 0·001	− 3·998	+ 0·397	+ 0·00	748
270	7 Leporis ν	+ 2·7831	+ 0·0034	− 0·002	− 3·966	+ 0·400	− 0·02	749
271	22 Orionis o	+ 3·0607	+ 0·0013	− 0·001	− 3·861	+ 0·440	− 0·01	751
272	23 Orionis m... ...	+ 3·1509	+ 0·0046	− 0·001	− 3·785	+ 0·453	+ 0·00	753
273	29 Orionis c	+ 2·8893	+ 0·0037	− 0·001	− 3·644	+ 0·416	+ 0·03	764
274	28 Orionis η	+ 3·0146	+ 0·0040	− 0·002	− 3·621	+ 0·434	− 0·01	765
275	112 Tauri β	+ 3·7865	+ 0·0082	+ 0·001	− 3·599	+ 0·545	+ 0·18	756
276	24 Aurigæ ϕ... ...	+ 3·9726	+ 0·0095	− 0·002	− 3·514	+ 0·572	+ 0·04	758
277	30 Orionis ψ^3 ...	+ 3·1411	+ 0·0044	− 0·001	− 3·439	+ 0·452	+ 0·01	773
278	R. P. L. 40	+ 18·5643	+ 0·6155	...	− 3·189	+ 2·074	...	...
279	31 Orionis	+ 3·0449	+ 0·0038	− 0·002	− 3·172	+ 0·439	+ 0·02	779
280	32 Orionis A... ...	+ 3·2077	+ 0·0043	− 0·001	− 3·111	+ 0·463	+ 0·03	780

Mean Positions of Stars for 1879, *January* 1*st.*

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension.			Mean Polar Distance.			Observations.	Fraction of Year.
				h.	*m.*	*s.*	°	′	″		
281	25 Aurigæ χ	5·0	...	5	24	51·07	57	53	56·4	3	0·15
282	34 Orionis δ, var. 1 ...	Var.	...	5	25	49·47	90	23	22·8	6	0·09
283	10 Leporis	5·4	...	5	25	56·98	110	57	15·0	3	0·11
284	36 Orionis ν	4·7	...	5	26	4·55	97	23	30·8	2	0·10
285	11 Leporis α	2·7	...	5	27	23·70	107	54	35·4	2	0·14
286	Lacaille 1895	5·3	4	5	28	46·88	128	35	55·4	4	0·15
287	42 Orionis c	4·6	...	5	29	25·03	94	55	9·2	4	0·16
288	46 Orionis ε	1·8	...	5	30	4·36	91	16	49·0	5	0·11
289	26 Aurigæ	5·6	...	5	30	52·01	59	34	53·2	4	0·15
290	49 Orionis *d*	5·0	...	5	33	1·74	97	16	53·8	5	0·13
291	α Columbæ	2·7	...	5	35	16·03	124	8	21·6	4	0·07
292	29 Aurigæ τ	4·6	...	5	40	47·40	50	51	43·1	6	0·14
293	132 Tauri	5·1	...	5	41	35·44	65	28	28·9	5	0·14
294	Taylor 2170	5·1	4	5	43	6·19	136	38	32·1	4	0·15
295	32 Aurigæ ν	4·2	...	5	43	6·76	50	53	18·6	5	0·15
296	31 Camelopardi	5·2	...	5	44	7·95	30	8	28·7	5	0·15
297	30 Aurigæ ξ	5·0	...	5	44	42·38	34	19	23·4	5	0·17
298	136 Tauri	4·5	...	5	45	43·31	62	25	5·2	4	0·15
299	Taylor 2214	5·0	4	5	48	8·81	142	8	13·1	4	0·10
300	58 Orionis α (*Betelgeux*)...	Var.	...	5	48	37·22	82	37	0·1	4	0·10
301	33 Aurigæ δ	3·8	...	5	49	33·82	35	43	36·0	3	0·13
302	Taylor 2232	5·6	2	5	50	18·65	147	10	44·2	2	0·14
303	35 Aurigæ π	4·5	...	5	50	57·07	44	4	33·9	4	0·14
304	δ^2 Columbæ	5·5	3	5	51	20·03	127	8	21·6	3	0·17
305	37 Aurigæ θ	2·7	...	5	51	28·12	52	47	51·9	1	0·15
306	Lacaille 2106	5·3	3	5	53	10·66	153	7	38·1	3	0·18
307	2 Monocerotis	5·1	...	5	53	19·68	99	34	3·8	5	0·17
308	... ...	10·2	4	5	54	54·06	121	28	5·0	4	0·13
309	υ Columbæ	5·0	5	5	55	26·55	132	49	21·6	5	0·16
310	3 Monocerotis	4·8	...	5	56	8·93	100	36	2·3	4	0·14
311	Taylor 2288	5·5	5	5	58	23·05	116	17	5·5	5	0·16
312	R. P. L. 43	6·6	...	5	58	41·47	3	14	15·5	3	0·09
313	37 Camelopardi	5·3	...	5	59	18·50	31	3	3·1	2	0·14
314	67 Orionis ν	4·4	...	6	0	39·82	75	13	6·0	6	0·11
315	Taylor 2315	5·7	3	6	0	59·40	135	2	11·3	3	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.	
		s	*s*	*s*	*″*	*″*	*″*	
281	25 Aurigæ χ	+ 3·9011	+ 0·0077	− 0·001	− 3·063	+ 0·563	0·00	776
282	34 Orionis δ, Var. 1...	+ 3·0633	+ 0·0038	− 0·001	− 2·979	+ 0·443	+ 0·01	787
283	10 Leporis	+ 2·5659	+ 0·0029	− 0·001	− 2·967	+ 0·371	+ 0·04	791
284	36 Orionis υ	+ 2·9007	+ 0·0034	− 0·000	− 2·957	+ 0·419	+ 0·01	789
285	11 Leporis α	+ 2·6445	+ 0·0029	− 0·001	− 2·844	+ 0·383	− 0·01	796
286	Lacaille 1895 ...	+ 2·0149	+ 0·0031	...	− 2·723	+ 0·296	...	...
287	42 Orionis c	+ 2·9582	+ 0·0033	− 0·001	− 2·668	+ 0·428	− 0·02	803
288	46 Orionis ε	+ 3·0426	+ 0·0035	− 0·002	− 2·611	+ 0·441	− 0·01	809
289	26 Aurigæ	+ 3·8509	+ 0·0066	− 0·003	− 2·543	+ 0·558	− 0·01	799
290	49 Orionis d	+ 2·9026	+ 0·0031	− 0·003	− 2·355	+ 0·421	+ 0·04	816
291	α Columbæ	+ 2·1710	+ 0·0027	+ 0·005	− 2·160	+ 0·316	+ 0·03	Stone
292	29 Aurigæ τ	+ 4·1564	+ 0·0060	− 0·003	− 1·685	+ 0·605	+ 0·02	829
293	132 Tauri	+ 3·6803	+ 0·0042	− 0·001	− 1·610	+ 0·536	+ 0·01	835
294	Taylor 2170	+ 1·6603	+ 0·0082	− 0·001	− 1·477	+ 0·242	0·00	Stone
295	32 Aurigæ ν	+ 4·1563	+ 0·0055	− 0·003	− 1·476	+ 0·605	− 0·03	840
296	31 Camelopardi ...	+ 5·3693	+ 0·0109	− 0·001	− 1·388	+ 0·782	+ 0·02	831
297	30 Aurigæ ξ	+ 5·0260	+ 0·0088	− 0·005	− 1·338	+ 0·732	− 0·02	838
298	136 Tauri	+ 3·7694	+ 0·0038	+ 0·000	− 1·249	+ 0·549	+ 0·02	848
299	Taylor 2214	+ 1·3549	+ 0·0035	...	− 1·037	+ 0·197	+ 0·07	Stone
300	58 Orionis α	+ 3·2453	+ 0·0027	+ 0·001	− 0·995	+ 0·473	− 0·02	860
301	33 Aurigæ δ	+ 4·9290	+ 0·0061	+ 0·007	− 0·913	+ 0·718	+ 0·12	852
302	Taylor 2232	+ 1·0013	+ 0·0040	...	− 0·848	+ 0·146	...	...
303	35 Aurigæ π	+ 4·4520	+ 0·0042	...	− 0·791	+ 0·649	...	...
304	5^2 Columbæ	+ 2·0604	+ 0·0025	...	− 0·758	+ 0·298	...	...
305	37 Aurigæ θ	+ 4·0864	+ 0·0035	+ 0·004	− 0·746	+ 0·596	+ 0·08	863
306	Lacaille 2106 ...	+ 0·4351	+ 0·0047	...	− 0·597	+ 0·063	...	...
307	2 Monocerotis ...	+ 2·8470	+ 0·0023	− 0·001	− 0·583	+ 0·415	+ 0·03	874
308	... ...	+ 2·2542	+ 0·0024	...	− 0·446	+ 0·329	...	...
309	υ Columbæ	+ 1·8335	+ 0·0026	+ 0·001	− 0·398	+ 0·267	+ 0·02	Stone
310	3 Monocerotis ...	+ 2·8221	+ 0·0021	− 0·002	− 0·338	+ 0·411	− 0·03	883
311	Taylor 2288	+ 2·4120	+ 0·0022	...	− 0·141	+ 0·353	...	...
312	R. P. L. 43	+ 26·7062	+ 0·0412	...	− 0·114	+ 3·894	...	...
313	37 Camelopardi ...	+ 5·2929	+ 0·0015	+ 0·004	− 0·060	+ 0·772	− 0·03	876
314	67 Orionis ν	+ 3·4251	+ 0·0017	− 0·000	+ 0·058	+ 0·500	+ 0·01	887
315	Taylor 2315	+ 1·7386	+ 0·0025	− 0·009	+ 0·087	+ 0·253	− 0·22	Stone

Mean Positions of Stars for 1879, *January* 1*st*.

Number	Star.	Magnitude.	Estimations.	Mean Right Ascension.			Mean Polar Distance.			Observations.	Fraction of Year.	
				h.	*m.*	*s.*	°	′	″			
316	40 Camelopardi	5·5	...	6	4	48·44	29	58	11·1	5	0·14	
317	ρ^2 Columbæ	5·7	4	6	5	0·84	134	20	9·8	4	0·16	
318	Brisbane 1172	5·6	2	6	5	57·03	152	8	1·0	2	0·14	
319	B. F. 864	5·1	4	6	5	58·43	96	31	26·1	4	0·13	
320	δ Pictoris	5·5	5	6	7	56·58	144	56	32·3	5	0·15	
321	2 Lyncis	4·3	...	6	8	57·01	30	56	51·1	4	0·17	
322	74 Orionis h^2	5·1	...	6	9	38·97	77	41	42·5	4	0·16	
323	Taylor 2446	5·6	5	6	15	19·44	124	20	42·2	5	0·15	
324	46 Aurigæ ψ^1	5·0	...	6	15	34·56	40	39	8·5	5	0·13	
325	13 Geminorum μ	3·2	...	6	15	38·45	67	25	33·5	10	0·15	
326	Taylor 2458	5·6	4	6	16	13·72	124	5	26·7	4	0·17	
327	Taylor 2488	5·6	5	6	19	49·29	126	38	43·1	5	0·14	
328	Lacaille 2297	5·6	5	6	22	31·20	138	6	19·0	5	0·12	
329	λ Canis Majoris	4·1	...	6	23	41·18	122	30	18·4	1	0·09	
330	13 Monocerotis	4·3	...	6	26	21·67	82	34	46·1	5	0·14	
331	Lacaille 2333	5·1	5	6	26	50·69	140	9	~~11·5~~ 12·7	5	0·15	[12·7]
332	Taylor 2561	5·6	5	6	27	22·66	146	46	13·6	5	0·16	
333	Taylor 2560	5·6	5	6	28	6·92	121	56	29·5	5	0·14	
334	Taylor 2573	5·2	5	6	29	35·29	126	8	32·8	5	0·14	
335	Taylor 2578	5·7	3	6	30	6·13	122	37	17·3	3	0·21	
336	50 Aurigæ ψ^2	5·1	5	6	30	41·46	47	24	22·6	5	0·18	
337	24 Geminorum γ	2·0	...	6	30	43·28	73	29	57·5	4	0·14	
338	Taylor 2604	5·0	1	6	32	18·49	142	52	39·0	1	0·20	
339	Taylor 2607	5·6	3	6	33	2·24	126	53	16·4	3	0·10	
340	55 Aurigæ ψ^4	5·2	...	6	34	16·34	45	21	41·1	3	0·10	
341	42 Camelopardi	5·1	5	6	38	19·88	22	17	50·8	5	0·14	
342	10 Canis Majoris	5·2	...	6	39	52·39	120	56	51·1	6	0·14	
343	43 Camelopardi	5·1	...	6	40	39·19	20	58	26·0	3	0·21	
344	Taylor 2672	7·6	1	6	40	45·43	110	38	51·8	1	0·20	
345	17 Monocerotis	5·0	...	6	40	45·69	81	49	~~58·3~~ 59·7	5	0·15	[59·7]
346	58 Aurigæ ψ^7	5·0	...	6	42	12·49	48	4	41·8	5	0·15	
347	Radcliffe 1813	5·1	3	6	42	24·70	12	52	20·4	3	0·21	
348	51 Cephei (*Herr.*)	5·0	...	6	43	15·83	2	46	12·3	3	0·33	
349	h^1 Canis Majoris	3·9	...	6	45	48·76	121	33	55·9	3	0·11	
350	15 Lyncis	4·5	...	6	46	47·93	31	25	15·3	2	0·22	

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	"	"	"	
316	40 Camelopardi ...	+ 5·3902	− 0·0019	+ 0·001	+ 0·420	+ 0·786	+ 0·01	888
317	ρ^2 Columbæ	+ 1·7663	+ 0·0024	...	+ 0·438	+ 0·257	...	...
318	Brisbane 1172 ...	+ 0·5447	+ 0·0018	...	+ 0·520	+ 0·080	...	...
319	B. F. 864	+ 2·9195	+ 0·0018	...	+ 0·523	+ 0·426	...	...
320	δ Pictoris	+ 1·1682	+ 0·0020	− 0·006	+ 0·695	+ 0·170	+ 0·02	Stone
321	2 Lyncis	+ 5·3002	− 0·0041	+ 0·000	+ 0·783	+ 0·772	− 0·04	902
322	74 Orionis k^2 ...	+ 3·3636	+ 0·0009	+ 0·004	+ 0·845	+ 0·491	− 0·20	919
323	Taylor 2446	+ 2·1608	+ 0·0020	...	+ 1·340	+ 0·314	...	...
324	46 Aurigæ ψ^1 ...	+ 4·6256	− 0·0043	− 0·000	+ 1·362	+ 0·672	+ 0·01	926
325	13 Geminorum μ ...	+ 3·6268	− 0·0003	+ 0·004	+ 1·367	+ 0·527	+ 0·10	929
326	Taylor 2458	+ 2·1697	+ 0·0020	...	+ 1·419	+ 0·315	...	...
327	Taylor 2488	+ 2·0815	+ 0·0019	...	+ 1·732	+ 0·301	...	...
328	Lacaille 2297 ...	+ 1·5892	+ 0·0014	...	+ 1·967	+ 0·229	...	...
329	λ Canis Majoris ...	+ 2·2250	+ 0·0018	− 0·007	+ 2·069	+ 0·322	0·00	Stone
330	13 Monocerotis ...	+ 3·2452	− 0·0002	+ 0·000	+ 2·302	+ 0·469	− 0·00	958
331	Lacaille 2333 ...	+ 1·4811	+ 0·0009	− 0·010	+ 2·343	+ 0·213	− 0·02	Stone
332	Taylor 2561	+ 1·0461	− 0·0005	...	+ 2·390	+ 0·151	...	...
333	Taylor 2560	+ 2·2451	+ 0·0018	...	+ 2·455	+ 0·324	...	...
334	Taylor 2573	+ 2·1041	+ 0·0017	...	+ 2·581	+ 0·303	...	...
335	Taylor 2578	+ 2·2240	+ 0·0017	...	+ 2·627	+ 0·321	...	...
336	50 Aurigæ ψ^3 ...	+ 4·2903	− 0·0068	− 0·001	+ 2·678	+ 0·619	+ 0·07	965
337	24 Geminorum γ ...	+ 3·4647	− 0·0015	+ 0·002	+ 2·680	+ 0·500	+ 0·04	969
338	Taylor 2604	+ 1·3236	0·0000	0·000	+ 2·818	+ 0·190	+ 0·01	Stone
339	Taylor 2607	+ 2·0794	+ 0·0016	...	+ 2·881	+ 0·299	...	...
340	55 Aurigæ ψ^4 ...	+ 4·3776	− 0·0087	− 0·005	+ 2·988	+ 0·630	+ 0·04	973
341	42 Camelopardi ...	+ 6·2869	− 0·0388	+ 0·003	+ 3·339	+ 0·904	− 0·02	974
342	10 Canis Majoris ...	+ 2·2828	+ 0·0015	...	+ 3·471	+ 0·327	...	...
343	43 Camelopardi ...	+ 6·5051	− 0·0459	+ 0·001	+ 3·538	+ 0·933	− 0·02	980
344	Taylor 2672	+ 2·5764	+ 0·0012	...	+ 3·548	+ 0·368	...	...
345	17 Monocerotis ...	+ 3·2611	− 0·0013	+ 0·001	+ 3·549	+ 0·466	− 0·01	993
346	58 Aurigæ ψ^7 ...	+ 4·2523	− 0·0095	− 0·001	+ 3·672	+ 0·608	+ 0·13	992
347	Radcliffe 1813 ...	+ 8·8227	− 0·1153	+ 0·023	+ 3·689	+ 1·265	+ 0·01	Romberg
348	51 Cephei (*Hev.*) ...	+ 30·2143	− 2·1751	− 0·040	+ 3·763	+ 4·326	+ 0·05	1880
349	h^1 Canis Majoris ...	+ 2·2673	+ 0·0014	...	+ 3·982	+ 0·322	...	...
350	15 Lyncis	+ 5·2153	− 0·0252	+ 0·000	+ 4·067	+ 0·743	− 0·12	998

+0·845

Mean Positions of Stars for 1879, *January* 1*st.*

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension.			Mean Polar Distance.			Observations.	Fraction of Year.
				h.	*m.*	*s.*	°	′	″		
351	15 Canis Majoris	4·4	...	6	48	19·00	110	4	32·3	5	0·14
352	19 Canis Majoris	4·4	...	6	50	22·60	109	58	58·0	3	0·20
353	R Lyncis, Var. 1	10·5	9	6	51	18·89	34	30	13·6	10	0·13
354	21 Canis Majoris ϵ ...	1·5	...	6	53	52·17	118	48	28·5	13	0·19
355	19 Monocerotis	4·8	...	6	56	54·36	94	3	54·3	6	0·12
356	23 Canis Majoris γ ...	4·1	...	6	58	17·10	105	27	19·6	13	0·14
357	Taylor 2845	5·5	3	7	0	14·65	133	26	26·6	3	0·21
358	Taylor 2849	5·4	2	7	0	44·98	139	24	26·1	2	0·20
359	Taylor 2861	5·6	5	7	2	2·83	146	33	58·7	5	0·13
360	63 Aurigæ	5·2	...	7	3	19·99	50	29	2·0	5	0·14
361	20 Monocerotis	5·1	...	7	4	13·07	94	2	57·9	5	0·14
362	Taylor 2876	5·7	2	7	4	43·91	115	2	10·7	2	0·24
363	18 Lyncis	5·3	...	7	5	20·78	30	8	55·2	2	0·23
364	51 Geminorum	5·4	...	7	6	25·41	73	38	12·7	5	0·14
365	Radcliffe 1917	5·3	1	7	9	20·19	40	19	17·5	1	0·23
366	64 Aurigæ...	5·8	...	7	9	37·31	48	54	11·1	1	0·24
367	L^2 Puppis, Var.	5·5	5	7	9	50·64	134	26	36·5	5	0·13
368	19 Lyncis—2nd	5·2	...	7	12	59·46	34	29	33·7	2	0·20
369	65 Aurigæ...	5·3	...	7	13	57·45	53	0	48·3	5	0·13
370	Taylor 2975	5·3	5	7	14	0·15	126	30	52·2	5	0·14
371	Taylor 2984	5·7	2	7	14	19·63	133	45	59·4	2	0·21
372	Taylor 2980	5·7	2	7	14	19·93	126	31	21·4	2	0·21
373	66 Aurigæ	5·3	...	7	15	45·77	49	5	46·7	2	0·23
374	Radcliffe 1949	5·2	2	7	18	17·27	21	17	20·4	2	0·24
375	s Puppis	5·5	1	7	18	22·96	121	41	29·4	1	0·20
376	4 Canis Minoris γ ...	4·6	...	7	21	34·46	80	49	51·0	5	0·13
377	66 Geminorum α^2 (*Castor*)	2·0	...	7	26	52·66	57	50	52·2	10	0·20
378	10 Can. Min. α (*Procyon*).	0·5	...	7	32	57·93	84	27	54·2	5	0·21
379	d^1 Puppis	5·5	5	7	35	11·50	128	1	51·7	5	0·23
380	d^2 Puppis	5·6	5	7	35	27·26	127	51	41·5	5	0·23
381	75 Geminorum σ	4·1	...	7	35	45·02	60	49	31·1	2	0·23
382	78 Geminorum β (*Pollux*)	1·1	...	7	37	54·60	61	40	59·4	6	0·17
383	1 Puppis	5·4	2	7	38	39·30	118	7	27·2	2	0·21
384	Taylor 3209	5·6	1	7	39	12·73	134	52	1·3	1	0·25
385	4 Puppis	5·6	5	7	40	22·67	104	16	12·7	5	0·26

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*	"	"	"	
351	15 Canis Majoris ...	+ 2·5944	+ 0·0010	− 0·003	+ 4·197	+ 0·369	− 0·03	1012
352	19 Canis Majoris ...	+ 2·5978	+ 0·0010	+ 0·003	+ 4·373	+ 0·368	− 0·04	1018
353	R Lyncis, Var. 1 ...	+ 4·9683	− 0·0363	...	+ 4·452	+ 0·705	...	...
354	21 Canis Majoris ϵ ...	+ 2·3573	+ 0·0013	− 0·001	+ 4·670	+ 0·332	− 0·02	1023
355	19 Monocerotis ...	+ 2·9802	− 0·0007	− 0·001	+ 4·929	+ 0·419	− 0·03	1026
356	23 Canis Majoris γ ...	+ 2·7145	+ 0·0005	− 0·002	+ 5·045	+ 0·381	+ 0·00	1028
357	Taylor 2845	+ 1·8497	+ 0·0006	...	+ 5·211	+ 0·259	...	...
358	Taylor 2849	+ 1·5666	− 0·0007	...	+ 5·254	+ 0·219	...	...
359	Taylor 2861	+ 1·1210	− 0·0039	...	+ 5·363	+ 0·156	...	...
360	63 Aurigæ	+ 4·1332	− 0·0133	+ 0·003	+ 5·471	+ 0·578	− 0·02	1032
361	20 Monocerotis ...	+ 2·9814	− 0·0010	− 0·000	+ 5·546	+ 0·416	− 0·21	1041
362	Taylor 2876	+ 2·4725	+ 0·0011	...	+ 5·589	+ 0·344	...	...
363	18 Lyncis	+ 5·2811	− 0·0376	− 0·016	+ 5·640	+ 0·737	+ 0·26	1031
364	51 Geminorum ...	+ 3·4484	− 0·0050	+ 0·000	+ 5·731	+ 0·480	+ 0·03	1046
365	Radcliffe 1917 ...	+ 1·5762	− 0·0230	...	+ 5·974	+ 0·634	...	...
366	64 Aurigæ	+ 4·1851	− 0·0157	+ 0·001	+ 5·999	+ 0·580	− 0·02	1052
367	L^2 Puppis, Var. ...	+ 1·8215	+ 0·0003	...	+ 6·017	+ 0·250	...	...
368	19 Lyncis—2nd ...	+ 4·9202	− 0·0326	− 0·004	+ 6·279	+ 0·679	+ 0·03	1056
369	65 Aurigæ	+ 4·0273	− 0·0139	− 0·008	+ 6·360	+ 0·554	+ 0·01	1063
370	Taylor 2975	+ 2·1336	+ 0·0012	...	+ 6·364	+ 0·292	...	...
371	Taylor 2984	+ 1·8584	+ 0·0004	...	+ 6·390	+ 0·254	...	...
372	Taylor 2980	+ 2·1338	+ 0·0011	...	+ 6·391	+ 0·202	...	...
373	66 Aurigæ	+ 4·1678	− 0·0170	− 0·001	+ 6·510	+ 0·572	− 0·01	1064
374	Radcliffe 1949 ...	+ 6·3050	− 0·0830	+ 0·003	+ 6·717	+ 0·865	+ 0·07	Romberg
375	s Puppis	+ 2·2946	+ 0·0011	...	+ 6·725	+ 0·312	...	...
376	4 Canis Minoris γ ...	+ 3·2745	− 0·0043	− 0·006	+ 6·988	+ 0·445	− 0·03	1083
377	66 Geminorum a^2 ...	+ 3·8530	− 0·0133	− 0·015	+ 7·422	+ 0·519	+ 0·08	1087
378	10 Canis Minoris α ...	+ 3·1913	− 0·0041	− 0·047	+ 7·914	+ 0·425	+ 1·03	1106
379	d^1 Puppis	+ 2·1155	+ 0·0011	...	+ 8·092	+ 0·279	...	...
380	d^3 Puppis	+ 2·1218	+ 0·0011	...	+ 8·113	+ 0·280	...	...
381	75 Geminorum σ ...	+ 3·7545	− 0·0130	+ 0·005	+ 8·137	+ 0·408	+ 0·22	1108
382	78 Geminorum β ...	+ 3·7279	− 0·0128	− 0·048	+ 8·310	+ 0·491	+ 0·05	1112
383	1 Puppis	+ 2·4229	+ 0·0011	...	+ 8·368	+ 0·317	...	...
384	Taylor 3209	+ 1·8643	+ 0·0002	...	+ 8·413	+ 0·243	...	...
385	4 Puppis	+ 2·7644	− 0·0004	...	+ 8·505	+ 0·361	...	...

Mean Positions of Stars for 1879, *January* 1*st*.

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension.			Mean Polar Distance.			Observations.	Fraction of Year.
				h.	*m.*	*s.*	°	′	″		
386	ζ Volantis	5·0	2	7	43	17·80	162	18	56·2	2	0·11
387	Taylor 3265	5·5	3	7	43	52·18	136	18	31·5	3	0·22
388	6 Puppis	5·7	...	7	44	13·09	106	55	15·7	3	0·23
389	Taylor 3275	5·4	2	7	44	43·93	136	46	23·0	2	0·23
390	Taylor 3279	4·5	2	7	45	33·10	136	4	8·9	2	0·11
391	9 Puppis	5·5	...	7	46	9·99	103	34	40·4	1	0·11
392	Taylor 3289	5·6	5	7	46	30·62	146	6	19·5	5	0·25
393	R. P. L. 49	6·7	...	7	47	44·21	5	35	56·6	4	0·55
394	*a* Puppis	5·2	1	7	48	3·51	130	15	52·6	1	0·13
395	*b* Puppis	5·0	1	7	48	21·96	128	33	1·4	1	0·12
396	11 Puppis *e*	4·3	...	7	51	39·27	112	33	27·8	5	0·22
397	28 Monocerotis	4·9	...	7	55	3·99	91	3	26·7	5	0·23
398	Taylor 3365	5·1	5	7	55	58·08	87	20	2·2	5	0·24
399	6 Cancri	5·0	...	7	56	5·09	61	52	4·2	14	0·17
400	Taylor 3399	5·5	1	7	57	51·41	143	48	57·2	1	0·23
401	27 Lyncis	4·8	...	7	59	21·22	38	8	46·3	3	0·23
402	55 Camelopardi ...	5·5	...	8	0	45·04	21	10	18·3	2	0·26
403	15 Argûs	2·9	...	8	2	23·41	113	57	21·9	9	0·20
404	... ...	9·7	1	8	6	38·03	128	42	18·9	1	0·16
405	Taylor 3478	5·6	3	8	6	44·47	145	43	43·8	3	0·12
406	Taylor 3484	5·5	2	8	6	59·99	150	56	6·2	2	0·12
407	h^1 Puppis	5·6	3	8	7	2·20	129	15	30·7	3	0·14
408	Taylor 3480	5·5	3	8	7	20·87	132	37	35·5	3	0·14
409	ε Volantis	5·0	2	8	7	32·80	158	15	44·2	2	0·18
410	... ...	9·9	4	8	8	55·59	128	41	37·5	4	0·15
411	... ...	9·5	1	8	9	6·44	128	41	3·3	1	0·16
412	30 Lyncis	5·9	...	8	10	39·45	31	52	52·8	4	0·17
413	Lacaille 3275	5·5	3	8	13	25·90	152	32	33·2	3	0·12
414	31 Lyncis	4·4	...	8	14	32·92	46	25	30·3	4	0·13
415	Radcliffe 2130	5·1	4	8	14	38·21	36	23	32·2	4	0·14
416	Taylor 3582	5·6	2	8	19	36·87	93	30	46·1	2	0·13
417	Taylor 3589	6·0	2	8	19	50·11	113	39	15·2	2	0·12
418	... ...	9·6	1	8	21	52·45	153	20	25·8	1	0·25
419	... ...	7·8	2	8	23	42·77	144	57	50·0	2	0·14
420	2 Ursæ Majoris A ...	5·3	...	8	23	44·68	24	26	37·9	3	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.	
		s	*s*	*s*	*″*	*″*	*″*	
386	ζ Volantis	− 0·7022	− 0·0610	...	+ 8·736	− 0·096	...	...
387	Taylor 3265	+ 1·8141	− 0·0002	...	+ 8·780	+ 0·234	...	...
388	6 Puppis	+ 2·7069	0·0000	...	+ 8·808	+ 0·351	...	...
389	Taylor 3275	+ 1·7959	− 0·0004	...	+ 8·849	+ 0·231	...	...
390	Taylor 3279	+ 1·8291	− 0·0001	− 0·002	+ 8·913	+ 0·235	+ 0·00	Stone
391	9 Puppis	+ 2·7834	− 0·0006	...	+ 8·961	+ 0·359	...	...
392	Taylor 3289	+ 1·2934	− 0·0056	...	+ 8·989	+ 0·165	...	...
393	R. P. L. 49	+ 15·2304	− 1·2389	...	+ 9·084	+ 1·976	...	...
394	*a* Puppis	+ 2·0635	+ 0·0010	...	+ 9·109	+ 0·264	...	...
395	*b* Puppis	+ 2·1238	+ 0·0012	...	+ 9·133	+ 0·272	...	...
396	11 Puppis *e*	+ 2·5817	+ 0·0007	− 0·004	+ 9·388	+ 0·329	− 0·01	Stone
397	28 Monocerotis ...	+ 3·0507	− 0·0033	+ 0·002	+ 9·650	+ 0·386	+ 0·07	1151
398	Taylor 3365	+ 3·1267	− 0·0043	...	+ 9·720	+ 0·395	...	...
399	6 Cancri	+ 3·6973	− 0·0148	− 0·003	+ 9·729	+ 0·468	+ 0·04	1149
400	Taylor 3399	+ 1·4810	− 0·0037	...	+ 9·863	+ 0·184	...	...
401	27 Lyncis	+ 4·5488	− 0·0414	− 0·008	+ 9·978	+ 0·572	− 0·01	1154
402	55 Camelopardi ..	+ 6·0560	− 0·1190	− 0·000	+ 10·083	+ 0·761	− 0·01	1148
403	15 Argûs *i*	+ 2·5609	+ 0·0009	− 0·008	+ 10·208	+ 0·318	− 0·06	1170
404	... ...	+ 2·1605	+ 0·0016	...	+ 10·526	+ 0·263	...	...
405	Taylor 3478	+ 1·4028	− 0·0052	...	+ 10·534	+ 0·169	...	...
406	Taylor 3484	+ 1·0267	− 0·0129	...	+ 10·553	+ 0·122	...	...
407	h^1 Puppis	+ 2·1433	+ 0·0015	...	+ 10·555	+ 0·261	...	...
408	Taylor 3480	+ 2·0269	+ 0·0011	...	+ 10·579	+ 0·246	...	...
409	ε Volantis	+ 0·2251	− 0·0364	− 0·015	+ 10·592	+ 0·023	− 0·06	Stone
410	... ...	+ 2·1665	+ 0·0017	...	+ 10·695	+ 0·262	...	...
411	... ...	+ 2·1673	+ 0·0017	...	+ 10·709	+ 0·263	...	...
412	30 Lyncis	+ 4·8819	− 0·0611	+ 0·005	+ 10·824	+ 0·595	− 0·04	1178
413	Lacaille 3275 ...	+ 0·9232	− 0·0157	...	+ 11·027	+ 0·108	...	...
414	31 Lyncis	+ 4·1313	− 0·0311	+ 0·001	+ 11·109	+ 0·497	+ 0·11	1183
415	Radcliffe 2130 ...	+ 4·5820	− 0·0492	...	+ 11·115	+ 0·552	...	...
416	Taylor 3582	+ 3·0050	− 0·0032	...	+ 11·475	+ 0·356	...	...
417	Taylor 3589	+ 2·5923	+ 0·0011	...	+ 11·491	+ 0·305	...	...
418	... ...	+ 0·0037	− 0·0174	...	+ 11·636	+ 0·103	...	...
419	... ...	+ 1·5283	− 0·0037	...	+ 11·768	+ 0·176	...	...
420	2 Ursæ Majoris A ...	+ 5·4537	− 0·1036	− 0·010	+ 11·770	+ 0·640	+ 0·06	1195

Mean Positions of Stars for 1879, *January* 1*st.*

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension.			Mean Polar Distance.			Observations.	Fraction of Year.
				h.	*m.*	*s.*	°	′	″		
421	... ...	7·5	3	8	23	53·94	144	56	1·5	3	0·14
422	33 Cancri η	5·5	...	8	25	42·66	69	8	56·2	20	0·22
423	Taylor 3702	5·7	2	8	31	1·74	139	31	37·8	2	0·13
424	Taylor 3717	5·6	3	8	32	15·37	140	33	0·6	3	0·13
425	5 Hydræ σ	4·4	...	8	32	26·08	86	14	4·0	5	0·15
426	6 Hydræ	5·2	...	8	34	17·53	102	2	53·4	5	0·22
427	Taylor 3742	6·1	4	8	35	18·71	142	39	50·8	4	0·18
428	7 Hydræ η	4·2	...	8	36	53·95	86	10	4·5	5	0·16
429	Taylor 3775	5·5	5	8	37	49·91	134	58	39·8	5	0·17
430	Taylor 3779	5·9	5	8	38	21·43	137	39	53·8	5	0·19
431	θ Volantis	5·8	3	8	38	37·71	159	57	20·3	3	0·26
432	48 Cancri ι	4·2	...	8	39	22·46	60	47	53·2	4	0·15
433	11 Hydræ ϵ	3·6	...	8	40	22·07	83	8	14·4	5	0·26
434	13 Hydræ ρ	4·3	...	8	42	1·40	83	42	55·9	3	0·20
435	Taylor 3823	7·7	5	8	42	12·82	132	7	24·7	5	0·18
436	14 Hydræ	5·1	...	8	43	17·08	92	59	42·5	1	0·14
437	R. P. L. 60	7·0	...	8	49	48·93	5	20	13·1	4	0·34
438	... ...	10·2	4	8	51	10·73	98	51	3·3	4	0·26
439	8 Ursæ Majoris ρ ...	5·0	...	8	51	30·69	21	54	1·3	2	0·13
440	10 Ursæ Majoris	4·2	...	8	52	46·78	47	44	21·3	5	0·15
441	11 Ursæ Majoris σ ...	5·3	...	8	57	45·14	22	38	29·7	2	0·14
442	13 Ursæ Majoris σ^2 ...	4·8	...	8	59	43·91	22	22	32·4	4	0·21
443	15 Ursæ Majoris f ...	4·4	...	9	0	19·67	37	54	29·3	5	0·17
444	α Volantis	4·6	5	9	0	32·25	155	54	49·6	5	0·25
445	14 Ursæ Majoris τ ...	4·8	...	9	0	55·63	25	59	43·8	4	0·24
446	Taylor 3991	5·6	3	9	2	44·11	115	22	15·2	3	0·16
447	E Carinæ	5·5	1	9	4	38·95	160	3	8·5	2	0·23
448	Taylor 4022	6·0	2	9	4	48·52	162	6	58·5	3	0·28
449	e Mali	5·4	...	9	4	48·94	119	52	17·5	2	0·15
450	Taylor 4030	5·6	4	9	6	41·02	134	22	24·0	4	0·27
451	... ...	9·6	4	9	7	15·52	142	27	57·8	4	0·27
452	18 Ursæ Majoris e ...	4·9	...	9	7	28·26	35	28	45·9	2	0·15
453	22 Hydræ θ	3·9	...	9	8	4·19	87	10	37·6	3	0·34
454	i Carinæ	5·0	3	9	8	31·72	151	49	15·8	3	0·23
455	l Velorum	5·1	3	9	10	50·40	128	3	56·7	3	0·16

437.—Carrington 1286 438.—Comparison st ar for T Hydræ, Var 4.

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	"	"	"	
421	... ...	+ 1·5310	− 0·0037	...	+ 11·780	+ 0·176	...	...
422	33 Cancri η	+ 3·4820	− 0·0129	− 0·004	+ 11·908	+ 0·404	+ 0·05	1207
423	Taylor 3702	+ 1·8335	+ 0·0003	...	+ 12·280	+ 0·207	...	...
424	Taylor 3717	+ 1·7931	− 0·0002	...	+ 12·364	+ 0·201	...	...
425	5 Hydræ σ	+ 3·1415	− 0·0056	− 0·004	+ 12·376	+ 0·356	− 0·00	1221
426	6 Hydræ	+ 2·8492	− 0·0009	− 0·008	+ 12·504	+ 0·320	− 0·01	1229
427	Taylor 3742	+ 1·7069	− 0·0012	...	+ 12·574	+ 0·189	...	...
428	7 Hydræ η	+ 3·1417	− 0·0058	− 0·003	+ 12·682	+ 0·350	− 0·01	1235
429	Taylor 3775	+ 2·0408	+ 0·0022	...	+ 12·745	+ 0·225	...	...
430	Taylor 3779	+ 1·9414	+ 0·0015	...	+ 12·781	+ 0·213	...	...
431	θ Volantis	+ 0·2511	− 0·0472	...	+ 12·799	+ 0·021	...	..
432	48 Cancri ι	+ 3·6460	− 0·0194	− 0·002	+ 12·848	+ 0·403	+ 0·03	1239
433	11 Hydræ ϵ	+ 3·1953	− 0·0071	− 0·014	+ 12·915	+ 0·351	+ 0·02	1243
434	13 Hydræ ρ	+ 3·1842	− 0·0068	− 0·003	+ 13·026	+ 0·347	+ 0·02	1248
435	Taylor 3823	+ 2·1537	+ 0·0030	...	+ 13·038	+ 0·283	...	...
436	14 Hydræ	+ 3·0194	− 0·0035	− 0·004	+ 13·109	+ 0·328	+ 0·02	1249
437	R. P. L. 60	+ 13·6314	− 1·7087	...	+ 13·536	+ 1·461	...	...
438	... ...	+ 2·9197	− 0·0016	...	+ 13·630	+ 0·286	...	...
439	8 Ursæ Majoris ρ ...	+ 5·5085	− 0·1365	− 0·004	+ 13·652	+ 0·584	− 0·02	1257
440	10 Ursæ Majoris ...	+ 3·9579	− 0·0342	− 0·040	+ 13·727	+ 0·415	+ 0·26	1268
441	11 Ursæ Majoris σ^1 ...	+ 5·3608	− 0·1305	+ 0·001	+ 14·040	+ 0·554	+ 0·05	1271
442	13 Ursæ Majoris σ^2 ...	+ 5·3714	− 0·1336	+ 0·000	+ 14·163	+ 0·550	+ 0·06	1276
443	15 Ursæ Majoris f ...	+ 4·2845	− 0·0537	− 0·015	+ 14·202	+ 0·436	+ 0·04	1280
444	α Volantis	+ 0·9625	− 0·0214	...	+ 14·214	+ 0·093	...	...
445	14 Ursæ Majoris τ ...	+ 5·0032	− 0·1036	+ 0·014	+ 14·237	+ 0·509	+ 0·07	1279
446	Taylor 3991	+ 2·6294	+ 0·0028	...	+ 14·349	+ 0·263	...	...
447	E Carinæ	+ 0·5209	− 0·0426	− 0·001	+ 14·465	+ 0·047	+ 0·02	Stone
448	Taylor 4022	+ 0·2047	− 0·0612	− 0·033	+ 14·476	+ 0·015	− 0·02	Stone
449	c Mali	+ 2·5408	+ 0·0037	...	+ 14·475	+ 0·251	...	...
450	Taylor 4030	+ 2·1747	+ 0·0046	...	+ 14·588	+ 0·212	...	...
451	... ...	+ 1·8814	+ 0·0022	...	+ 14·622	+ 0·182	...	...
452	18 Ursæ Majoris e ...	+ 4·3546	− 0·0616	+ 0·006	+ 14·635	+ 0·433	− 0·07	1297
453	22 Hydræ θ	+ 3·1173	− 0·0057	+ 0·008	+ 14·670	+ 0·304	+ 0·31	1303
454	i Carinæ	+ 1·3745	− 0·0082	− 0·019	+ 14·698	+ 0·131	0·00	Stone
455	l Velorum	+ 2·3678	+ 0·0051	...	+ 14·836	+ 0·227	...	...

Mean Positions of Stars for 1879, *January* 1*st*.

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension. h.	m.	s.	Mean Polar Distance. °	′	″	Observations.	Fraction of Year.
456	k^2 Velorum	5·5	3	9	10	54·61	126	54	34·6	3	0·20
457	38 Lyncis	3·8	...	9	11	18·67	52	41	10·1	5	0·28
458	83 Cancri	6·6	...	9	12	13·53	71	46	57·3	2	0·27
459	g Carinæ	5·2	2	9	12	47·02	147	2	7·1	2	0·19
460	40 Lyncis α	3·4	...	9	13	40·80	55	5	47·9	5	0·24
461	Taylor 4100	5·1	5	9	14	4·23	140	32	32·7	5	0·25
462	27 Hydræ	4·9	...	9	14	34·66	99	2	38·4	1	0·15
463	1 Leonis κ...	4·6	...	9	17	36·17	63	17	49·4	3	0·15
464	Taylor 4126	5·6	4	9	17	57·99	118	19	0·4	4	0·22
465	κ Carinæ	5·6	1	9	18	2·47	151	53	22·5	1	0·16
466	Radcliffe 2324	5·0	5	9	19	42·67	8	8	28·3	5	0·25
467	30 Hydræ α, Var. 2 ...	Var.	...	9	21	38·42	98	8	2·8	10	0·28
468	Argelander 196	5·1	2	9	21	47·16	95	32	35·9	2	0·15
469	31 Hydræ τ^1	4·9	...	9	23	0·27	92	14	25·0	2	0·17
470	24 Ursæ Majoris d ...	4·6	...	9	23	45·67	19	38	21·2	5	0·23
471	ϵ Antliæ	5·6	1	9	24	14·98	125	25	21·5	1	0·15
472	5 Leonis ξ	5·2	...	9	25	25·37	78	9	53·5	5	0·24
473	ζ^1 Antliæ—1st	6·4	2	9	25	34·97	121	21	31·6	2	0·16
474	ζ^1 Antliæ—2nd	6·1	4	9	25	35·28	121	21	25·6	4	0·26
475	ζ^2 Antliæ	5·9	2	9	26	21·60	121	20	20·0	2	0·23
476	10 Leonis Minoris ...	4·7	...	9	26	48·33	53	3	56·5	2	0·16
477	Taylor 4218	5·0	4	9	27	32·68	146	30	1·2	4	0·30
478	Taylor 4233	5·6	3	9	29	56·90	140	43	1·5	3	0·27
479	Lacaille 3968	7·2	3	9	30	40·97	162	32	45·0	3	0·31
480	γ Velorum...	5·6	2	9	33	17·90	132	38	43·2	2	0·19
481	35 Hydræ ι	4·2	...	9	33	40·56	90	35	36·9	2	0·16
482	38 Hydræ κ	4·9	...	9	34	30·30	103	47	1·9	3	0·24
483	R. P. L. 69	7·9	...	9	37	37·00	2	50	50·2	1	0·84
484	17 Leonis ϵ	3·1	...	9	38	58·91	65	40	9·5	14	0·28
485	R. P. L. 70	5·0	...	9	48	58·68	5	29	58·3	5	0·29
486	29 Leonis π	5·0	...	9	53	49·05	81	22	31·4	15	0·27
487	32 Leonis α (*Regulus*) ...	1·4	...	10	1	55·56	77	26	30·2	4	0·35
488	32 Ursæ Majoris	5·7	...	10	9	13·77	24	17	17·0	1	0·19
489	33 Ursæ Majoris λ ...	3·6	...	10	9	47·68	46	28	54·9	2	0·19
490	R. P. L. 72	6·0	...	10	11	49·11	5	8	4·3	3	0·28

483.—Carrington 1418. 485.—Carrington 1451. 490.—Groombridge 1620.

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*	″	″	″	
456	k^2 Velorum	+ 2·3967	+ 0·0050	...	+ 14·839	+ 0·229	...	...
457	38 Lyncis	+ 3·7564	− 0·0293	− 0·003	+ 14·862	+ 0·362	+ 0·11	1805
458	83 Cancri	+ 3·3664	− 0·0134	− 0·009	+ 14·916	+ 0·323	+ 0·14	1809
459	g Carinæ	+ 1·6981	− 0·0004	...	+ 14·949	+ 0·159	...	...
460	40 Lyncis a	+ 3·6913	− 0·0267	− 0·020	+ 15·001	+ 0·352	− 0·03	1812
461	Taylor 4100	+ 1·9964	+ 0·0040	− 0·001	+ 15·023	+ 0·187	− 0·02	Stone
462	27 Hydræ	+ 2·9317	− 0·0012	− 0·002	+ 15·053	+ 0·277	+ 0·01	1817
463	1 Leonis κ	+ 3·5099	− 0·0194	− 0·008	+ 15·227	+ 0·327	+ 0·04	1820
464	Taylor 4126	+ 2·6044	+ 0·0042	...	+ 15·248	+ 0·240	...	...
465	κ Carinæ	+ 1·4471	− 0·0063	...	+ 15·251	+ 0·130	...	...
466	Radcliffe 2324 ...	+ 9·0887	− 0·7899	...	+ 15·345	+ 0·846	...	...
467	30 Hydræ a	+ 2·9504	− 0·0018	− 0·002	+ 15·455	+ 0·268	− 0·05	1830
468	Argelander 196 ...	+ 2·9896	− 0·0023	...	+ 15·463	+ 0·271	...	...
469	31 Hydræ τ^1	+ 3·0392	− 0·0036	+ 0·008	+ 15·530	+ 0·274	+ 0·00	1834
470	24 Ursæ Majoris d ...	+ 5·4331	− 0·1706	− 0·012	+ 15·572	+ 0·494	− 0·08	1824
471	ϵ Antliæ	+ 2·4746	+ 0·0059	...	+ 15·599	+ 0·220	...	...
472	5 Leonis ξ	+ 3·2472	− 0·0100	− 0·008	+ 15·663	+ 0·289	+ 0·06	1838
473	ζ^1 Antliæ—1st ...	+ 2·5639	+ 0·0053	...	+ 15·672	+ 0·227	...	...
474	ζ^1 Antliæ—2nd ...	+ 2·5640	+ 0·0053	...	+ 15·672	+ 0·227	...	...
475	ζ^2 Antliæ	+ 2·5665	+ 0·0053	...	+ 15·714	+ 0·226	...	...
476	10 Leonis Minoris ...	+ 3·6952	− 0·0295	+ 0·001	+ 15·738	+ 0·327	+ 0·01	1840
477	Taylor 4218	+ 1·8255	+ 0·0028	− 0·015	+ 15·778	+ 0·157	+ 0·01	Stone
478	Taylor 4233	+ 2·0770	+ 0·0063	...	+ 15·907	+ 0·178	...	...
479	Lacaille 3968 ...	+ 0·4941	− 0·0544	...	+ 15·946	+ 0·037	...	...
480	γ Velorum	+ 2·3368	+ 0·0075	...	+ 16·085	+ 0·197	...	...
481	35 Hydræ ι	+ 3·0640	− 0·0041	+ 0·002	+ 16·104	+ 0·260	+ 0·06	1856
482	38 Hydræ κ	+ 2·8777	+ 0·0009	− 0·002	+ 16·147	+ 0·242	− 0·01	1862
483	R. P. L. 69	+ 18·7168	− 5·4861	...	+ 16·344	+ 1·582	...	...
484	17 Leonis ϵ	+ 3·4212	− 0·0180	− 0·004	+ 16·376	+ 0·282	+ 0·01	1868
485	R. P. L. 70	+ 10·5852	− 1·5424	...	+ 16·865	+ 0·828	...	...
486	29 Leonis π	+ 3·1784	− 0·0080	− 0·004	+ 17·090	+ 0·236	+ 0·01	1898
487	32 Leonis α	+ 3·2190	− 0·0102	− 0·018	+ 17·451	+ 0·225	− 0·02	1406
488	32 Ursæ Majoris ...	+ 4·4492	− 0·1154	− 0·016	+ 17·757	+ 0·295	+ 0·01	1415
489	33 Ursæ Majoris λ ...	+ 3·6595	− 0·0386	− 0·017	+ 17·780	+ 0·240	+ 0·06	1421
490	R. P. L. 72	+ 9·8377	− 1·6063	− 0·096	+ 17·861	+ 0·644	− 0·04	1899

Mean Positions of Stars for 1879, *January* 1*st.*

Number.	Star.	Magnitude.	Estimations	Mean Right Ascension.			Mean Polar Distance.			Observations.	Fraction of Year.
				h.	*m.*	*s.*	°	′	″		
491	41 Leonis γ^1	2·5	...	10	13	18·00	69	32	47·7	11	0·31
492	γ Antliæ	6·0	3	10	18	21·76	119	2	12·4	3	0·21
493	30 Leonis Minoris ...	5·1	...	10	18	58·46	55	35	17·5	4	0·25
494	Lacaille 4296	5·7	4	10	19	22·945	156	17	21·7	4	0·27
495	31 Leonis Minoris β ...	4·4	...	10	20	53·09	52	40	22·9	2	0·23
496	36 Ursæ Majoris	4·9	...	10	22	52·865	33	23	57·7	2	0·25
497	Taylor 4694	5·1	3	10	22	53·70	147	1	19·9	3	0·31
498	s Carinæ	5·1	4	10	23	26·265	148	7	19·0	4	0·29
499	Brisbane 3024	5·1	3	10	23	36·22·30	155	5	20·5	3	0·32
500	Taylor 4700	5·6	4	10	23	53·65	119	2	42·8	4	0·34
501	δ Antliæ	5·6	4	10	24	1·20	119	59	16·8	4	0·29
502	Radcliffe 2510	5·3	2	10	26	10·06	48	57	8·4	2	0·23
503	47 Leonis ρ	4·0	...	10	26	26·32	80	4	15·2	4	0·36
504	34 Leonis Minoris ...	5·5	...	10	26	35·49	54	23	17·9	2	0·27
505	Lacaille 4357	5·8	4	10	27	16·51	161	22	16·5	4	0·29
506	37 Ursæ Majoris	5·2	...	10	27	21·3129	32	17	40·2	1	0·26
507	37 Leonis Minoris ...	4·8	...	10	31	54·43	57	23	43·6	1	0·20
508	ϕ^3 Hydræ...	5·2	...	10	32	41·15	106	14	55·0	3	0·26
509	38 Ursæ Majoris	5·0	...	10	33	40·4650	23	39	1·2	4	0·29
510	t^2 Carinæ	5·1	1	10	34	8·29·33	148	33	12·8	1	0·26
511	Radcliffe 2539	5·2	...	10	34	22·75 6	20	17	28·7	5	0·29
512	Taylor 4800—1st	5·6	5	10	34	29·4 9	144	58	24·1	5	0·29
513	... ...	10·1	4	10	35	55·67	149	8	50·6	4	0·28
514	53 Leonis l	5·3	...	10	42	53·76	78	48	52·5	14	0·32
515	63 Leonis χ	4·7	...	10	58	46·52	82	0	35·1	8	0·32
516	Taylor 5054	6·9	1	11	1	21·22	148	1	16·8	1	0·23
517	68 Leonis δ	2·8	...	11	7	40·41	68	48	47·5	3	0·31
518	12 Crateris δ	3·9	...	11	13	17·467	104	7	25·2	6	0·32
519	Taylor 5198	8·0	2	11	17	21·40	147	39	5·9	2	0·25
520	Lacaille 4809	7·7	3	11	30	26·59	150	55	13·3	5	0·28
521	91 Leonis ν	4·5	...	11	30	45·18	90	9	19·9	3	0·32
522	... ...	8·2	2	11	31	52·979	150	48	53·6	2	0·25
523	o Hydræ	5·5	2	11	34	12·32	124	4	26·5	2	0·25
524	63 Ursæ Majoris χ ...	3·9	...	11	39	39·263	41	32	56·1	1	0·25
525	λ Muscæ	4·5	1	11	39	54·18	156	3	29·8	1	0·25

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	"	"	"	
491	41 Leonis γ^1 ...	+ 3·2961	− 0·0148	+ 0·021	+ 17·919	+ 0·208	+ 0·14	1432
492	γ Antliæ	+ 2·7538	+ 0·0088	− 0·004	+ 18·115	+ 0·165	− 0·10	Stone
493	30 Leonis Minoris ...	+ 3·4630	− 0·0266	− 0·006	+ 18·137	+ 0·207	+ 0·05	1445
494	Lacaille 4296 ...	+ 1·7783	+ 0·0072	...	+ 18·152	+ 0·102	...	...
495	31 Leonis Minoris β...	+ 3·4995	− 0·0297	− 0·011	+ 18·207	+ 0·206	+ 0·08	1448
496	36 Ursæ Majoris ...	+ 3·9060	− 0·0671	− 0·024	+ 18·280	+ 0·227	+ 0·04	1454
497	Taylor 4694	+ 2·2252	+ 0·0163	...	+ 18·281	+ 0·126	...	...
498	s Carinæ	+ 2·1931	+ 0·0161	+ 0·003	+ 18·301	+ 0·123	+ 0·03	Stone
499	Brisbane 3024 ...	+ 1·8969	+ 0·0113	...	+ 18·306	+ 0·105	...	...
500	Taylor 4700	+ 2·7700	+ 0·0093	...	+ 18·316	+ 0·157	...	...
501	δ Antliæ	+ 2·7586	+ 0·0097	...	+ 18·321	+ 0·156	...	...
502	Radcliffe 2510 ...	+ 3·5357	− 0·0342	...	+ 18·396	+ 0·197	...	...
503	47 Leonis ρ	+ 3·1652	− 0·0080	− 0·001	+ 18·406	+ 0·176	− 0·01	1467
504	34 Leonis Minoris ...	+ 3·4518	− 0·0276	− 0·006	+ 18·411	+ 0·192	− 0·02	1465
505	Lacaille 4357 ...	+ 1·5111	− 0·0034	...	+ 18·435	+ 0·079	...	...
506	37 Ursæ Majoris ...	+ 3·9042	− 0·0703	+ 0·005	+ 18·438	+ 0·217	− 0·04	1464
507	37 Leonis Minoris ...	+ 3·3929	− 0·0242	− 0·001	+ 18·591	+ 0·178	− 0·03	1475
508	ϕ^3 Hydræ	+ 2·9274	+ 0·0048	− 0·010	+ 18·616	+ 0·151	− 0·05	1479
509	38 Ursæ Majoris ...	+ 4·1963	− 0·1180	− 0·029	+ 18·648	+ 0·218	+ 0·08	1476
510	t^2 Carinæ	+ 2·2723	+ 0·0195	0·000	+ 18·664	+ 0·113	− 0·10	Stone
511	Radcliffe 2530 ...	+ 4·3920	− 0·1433	+ 0·003	+ 18·671	+ 0·227	+ 0·03	Romberg
512	Taylor 4800—1st ...	+ 2·3771	+ 0·0195	− 0·001	+ 18·675	+ 0·119	+ 0·02	Stone
513	... ...	+ 2·2696	+ 0·0200	...	+ 18·720	+ 0·111	...	...
514	53 Leonis l	+ 3·1596	− 0·0080	− 0·002	+ 18·930	+ 0·145	+ 0·02	1500
515	63 Leonis χ	+ 3·1218	− 0·0056	− 0·026	+ 19·343	+ 0·113	+ 0·02	1535
516	Taylor 5054	+ 2·5302	+ 0·0287	...	+ 19·401	+ 0·086	...	...
517	68 Leonis δ	+ 3·1896	− 0·0132	+ 0·010	+ 19·534	+ 0·098	+ 0·12	1546
518	12 Crateris δ... ...	+ 3·0041	+ 0·0064	− 0·011	+ 19·639	+ 0·081	− 0·21	1557
519	Taylor 5198	+ 2·6818	+ 0·0342	...	+ 19·710	+ 0·065	...	...
520	Lacaille 4809 ...	+ 2·7631	+ 0·0428	...	+ 19·888	+ 0·043	...	...
521	91 Leonis ν	+ 3·0718	+ 0·0003	− 0·002	+ 19·891	+ 0·049	− 0·05	1586
522	... ...	+ 2·7793	+ 0·0432	...	+ 19·904	+ 0·041	...	...
523	o Hydræ	+ 2·9707	+ 0·0192	− 0·005	+ 19·928	+ 0·040	− 0·08	1594
524	63 Ursæ Majoris χ ...	+ 3·2061	− 0·0358	− 0·015	+ 19·975	+ 0·033	− 0·03	1600
525	λ Muscæ ...	+ 2·8086	+ 0·0562	...	+ 19·977	+ 0·027	...	...

Mean Positions of Stars for 1879, *January* 1*st.*

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension.			Mean Polar Distance.			Observations.	Fraction of Year.
				h.	*m.*	*s.*	°	′	″		
526	Taylor 5402	5·6	2	11	40	39·86	150	30	19·6	2	0·25
527	93 Leonis	4·6	...	11	41	44·55	69	6	29·8	2	0·26
528	94 Leonis β (*Deneb*) ...	2·2	...	11	42	53·13	74	45	5·9	6	0·36
529	Taylor 5437	5·6	2	11	46	11·47	146	18	55·1	2	0·25
530	θ^2 Crucis	5·6	1	11	58	5·84	152	29	32·0	1	0·25
531	R. P. L. 89	6·3	...	11	58	39·12	3	44	32·3	4	0·60
532	2 Corvi ε	3·1	...	12	3	54·21	111	56	48·4	5	0·38
533	7 Comæ	5·2	...	12	10	13·04	65	22	51·3	3	0·27
534	l Canum Venaticorum ...	5·1	...	12	10	25·02	56	15	42·3	2	0·29
535	ε Muscæ	4·7	...	12	11	2·45	157	17	22·6	5	0·32
536	ζ Crucis	5·0	3	12	11	53·33	153	19	51·0	3	0·30
537	15 Virginis η	4·0	...	12	13	42·89	89	59	38·9	5	0·40
538	11 Comæ	4·9	...	12	14	36·24	71	32	18·2	4	0·31
539	12 Comæ	4·8	...	12	16	25·07	63	28	55·6	3	0·28
540	6 Corvi	5·9	...	12	17	3·22	114	10	5·4	4	0·30
541	13 Comæ	5·1	...	12	18	14·24	63	13	48·0	2	0·31
542	14 Comæ	5·1	...	12	20	20·99	62	3	39·2	1	0·29
543	15 Comæ γ	4·7	...	12	20	54·44	61	3	30·4	2	0·29
544	16 Comæ	5·1	...	12	20	56·03	62	30	13·3	3	0·30
545	σ Centauri...	4·6	4	12	21	29·77	139	33	36·5	4	0·32
546	*u* Centauri...	5·0	1	12	21	56·47	128	22	14·3	1	0·30
547	9 Corvi β	2·8	...	12	28	1·91	112	43	36·7	12	0·36
548	5 Draconis κ	3·8	...	12	28	18·56	19	32	39·4	2	0·30
549	23 Comæ	4·9	...	12	28	49·48	66	42	14·0	2	0·29
550	τ Centauri...	5·1	4	12	31	5·22	137	52	29·3	4	0·31
551	*d* Hydræ	5·5	...	12	31	17·42	116	28	9·7	1	0·29
552	29 Virginis γ^1 (N) ...	3·5	...	12	35	31·72	90	47	8·5	1	0·42
553	Taylor 5839	5·7	2	12	35	54·06	138	8	52·1	2	0·29
554	ι Crucis	5·7	...	12	38	31·68	150	19	0·6	2	0·29
555	27 Comæ	5·3	...	12	40	36·45	72	45	39·6	1	0·29
556	Taylor 5918	5·6	1	12	46	16·09	138	17	2·8	1	0·29
557	κ Crucis	5·7	2	12	46	36·02	149	43	7·3	2	0·31
558	*n* Centauri...	5·2	2	12	46	44·32	129	31	12·8	2	0·29
559	35 Comæ	5·1	...	12	47	20·24	68	5	49·3	2	0·32
560	o Centauri—1st	5·1	3	12	47	29·21	146	31	12·1	3	0·30

531.—Groombridge 1850.

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*	"	"	"	
526	Taylor 5402	+ 2·8731	+ 0·0466	...	+19·983	+ 0·027	...	...
527	93 Leonis	+ 3·1129	− 0·0108	− 0·012	+19·990	+ 0·027	− 0·01	1603
528	94 Leonis β	+ 3·0995	− 0·0074	− 0·036	+19·998	+ 0·025	+ 0·10	1605
529	Taylor 5437	+ 2·9515	+ 0·0423	...	+20·018	+ 0·017	...	...
530	θ^2 Crucis	+ 3·0510	+ 0·0582	...	+20·053	− 0·005	...	...
531	R. P. L. 89	+ 3·1926	− 0·4906	...	+20·053	− 0·006	...	...
532	2 Corvi ϵ	+ 3·0815	+ 0·0142	− 0·006	+20·051	− 0·016	− 0·02	1626
533	7 Comæ	+ 3·0450	− 0·0110	− 0·004	+20·035	− 0·028	0·00	1641
534	l Canum Venaticorum	+ 3·0317	− 0·0170	...	+20·034	− 0·028	...	...
535	ϵ Muscæ	+ 3·2261	+ 0·0806	...	+20·031	− 0·031	...	...
536	ζ Crucis	+ 3·2103	+ 0·0670	...	+20·028	− 0·033	...	...
537	15 Virginis η ...	+ 3·0723	+ 0·0027	− 0·006	+20·018	− 0·035	+ 0·02	1647
538	11 Comæ	+ 3·0438	− 0·0071	− 0·010	+20·011	− 0·037	− 0·09	1654
539	12 Comæ	+ 3·0245	− 0·0117	− 0·002	+20·003	− 0·040	− 0·01	1658
540	6 Corvi	+ 3·1168	+ 0·0169	− 0·008	+19·998	− 0·042	+ 0·02	1659
541	13 Comæ	+ 3·0186	− 0·0116	− 0·002	+19·990	− 0·044	+ 0·02	1661
542	14 Comæ	+ 3·0094	− 0·0121	− 0·003	+19·975	− 0·047	+ 0·01	1665
543	15 Comæ γ	+ 3·0051	− 0·0127	− 0·008	+19·970	− 0·049	+ 0·09	1666
544	16 Comæ	+ 3·0088	− 0·0121	− 0·002	+19·970	− 0·049	+ 0·00	1667
545	σ Centauri	+ 3·2192	+ 0·0412	...	+19·966	− 0·052	...	...
546	u Centauri	+ 3·1734	+ 0·0282	...	+19·962	− 0·053	...	...
547	9 Corvi β	+ 3·1406	+ 0·0164	− 0·008	+19·904	− 0·064	+ 0·05	1685
548	5 Draconis κ	+ 2·6083	− 0·0547	− 0·016	+19·902	− 0·056	+ 0·00	1689
549	23 Comæ	+ 3·0000	− 0·0087	...	+19·895	− 0·063	...	...
550	τ Centauri	+ 3·2722	+ 0·0404	...	+19·870	− 0·072	...	...
551	d Hydræ	+ 3·1629	+ 0·0193	...	+19·868	− 0·071	...	...
552	29 Virginis γ^1 ...	+ 3·0751	+ 0·0043	− 0·039	+19·814	− 0·078	− 0·02	1698-9
553	Taylor 5839	+ 3·3051	+ 0·0417	...	+19·809	− 0·084	...	...
554	ι Crucis	+ 3·4647	+ 0·0685	...	+19·771	− 0·092	...	...
555	27 Comæ	+ 2·9991	− 0·0045	...	+19·741	− 0·085	...	...
556	Taylor 5918	+ 3·3730	+ 0·0435	...	+19·647	− 0·106	...	...
557	κ Crucis	+ 3·5346	+ 0·0693	...	+19·641	− 0·112	...	...
558	n Centauri	+ 3·2956	+ 0·0320	− 0·002	+19·639	− 0·105	+ 0·08	Stone
559	35 Comæ	+ 2·9620	− 0·0065	− 0·007	+19·628	− 0·097	+ 0·02	1719
560	o Centauri—1st ...	+ 3·4881	+ 0·0604	...	+19·626	− 0·112	...	...

Mean Positions of Stars for 1879, *January* 1st.

	Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension.			Mean Polar Distance.			Observations.	Fraction of Year.
					h.	*m.*	*s.*	°	′	″		
14.96	561	R P. L. 99	5·6	...	12	48	16·50	5	55	46·1	6	0·72
49.99	562	Taylor 5944	5·6	3	12	48	49·97	146	10	46·9	3	0·33
34.35	563	Lacaille 5335	10·0	3	12	51	34·31	160	10	51·1	3	0·32
	564	... ...	10·0	7	12	51	40·40	105	59	32·1	7	0·30
	565	37 Comæ	5·1	...	12	54	29·06	58	33	42·1	1	0·30
	566	78 Ursæ Majoris	4·8	...	12	55	32·09	32	58	51·1	4	0·35
33.48	567	ξ^1 Centauri	5·6	3	12	56	33·48	138	52	32·9	3	0·32
	568	... ...	8·4	5	12	56	33·57	106	13	46·3	5	0·31
	569	... ...	10·0	1	12	56	58·77	113	17	25·7	1	0·30
51.13	570	ξ^2 Centauri	5·1	4	12	59	51·03	139	15	27·0	4	0·36
19.64	571	θ Muscæ	5·9	3	13	0	19·61	154	39	31·2	3	0·42
	572	39 Comæ	6·1	...	13	0	27·39	68	11	49·0	4	0·30
	573	41 Comæ	4·9	...	13	1	22·32	61	43	32·0	3	0·30
33.49	574	49 Virginis	5·2	...	13	1	33·47	100	5	33·8	4	0·39
	575	B. F. 1805	5·6	4	13	2	14·02	98	20	7·9	4	0·32
	576	45 Hydræ ψ	5·1	...	13	2	32·28	112	28	12·2	1	0·30
	577	51 Virginis θ	4·4	...	13	3	41·26	94	53	31·6	1	0·40
	578	42 Comæ α	4·4	...	13	4	6·20	71	49	48·4	1	0·33
28.53	579	Taylor 6056	5·1	4	13	4	28·48	132	43	23·3	4	0·37
45.37	580	Taylor 6057	5·6	2	13	4	45·12	149	16	33·4	2	0·46
18.60	581	*m* Centauri	5·6	3	13	5	18·47	127	9	37·3	3	0·45
	582	43 Comæ β	4·4	...	13	6	13·56	61	30	29·5	2	0·31
46.16	583	Taylor 6077	5·7	4	13	6	46·18	148	27	21·8	4	0·37
	584	*m* Canum Venaticorum ...	5·0	...	13	8	13·37	49	12	19·5	2	0·30
	585	57 Virginis	5·4	...	13	9	26·14	109	17	54·8	3	0·32
10.02	586	τ Centauri...	5·7	5	13	10	9·97	120	51	54·5	5	0·40
4.47	587	61 Virginis	4·8	...	13	12	4·46	107	38	13·7	2	0·32
6.82	588	20 Canum Venaticorum ...	4·7	...	13	12	6·86	48	47	20·3	3	0·35
	589	... ...	10·0	5	13	16	25·46	108	24	41·7	5	0·32
	590	... ...	9·5	5	13	16	36·96	108	34	3·1	5	0·34
49.19	591	67 Virginis α (*Spica*) ...	1·2	...	13	18	49·17	100	31	44·4	4	0·47
23.58	592	O. A S. 12862	7·6	5	13	19	23·53	109	11	5·5	5	0·39
32.56	593	R. P. L. 103	7·0	...	13	19	34·18	4	36	48·3	1	0·44
0.46	594	Taylor 6206	5·6	5	13	22	0·43	140	32	15·1	5	0·33
	595	Taylor 6235	8·2	2	13	24	10·22	70	18	57·8	2	0·31

561.—Groombridge 1940.
593.—Groombridge 2007.

564—568—587—589—590—592.—Comparison stars for Encke's comet in 1878.

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	"	"	"	
561	R. P. L. 99	+ 0·3813	+ 0·2173	− 0·020	+19·610	− 0·020	− 0·02	1731
562	Taylor 5944	+ 3·4942	+ 0·0598	...	+19·600	− 0·115	...	...
563	Lacaille 5335 ...	+ 3·9001	+ 0·1283	...	+19·548	− 0·135	...	...
564	... ...	+ 3·1579	+ 0·0136	...	+19·547	− 0·111	...	...
565	37 Comæ	+ 2·8798	− 0·0106	− 0·003	+19·490	− 0·106	+ 0·00	1733
566	78 Ursæ Majoris ...	+ 2·5780	− 0·0252	+ 0·007	+19·468	− 0·098	+ 0·02	1736
567	ξ^1 Centauri	+ 3·4463	+ 0·0460	...	+19·447	− 0·130	...	...
568	... ...	+ 3·1673	+ 0·0139	...	+19·446	− 0·121	...	...
569	... ...	+ 3·2138	+ 0·0184	...	+19·437	− 0·122	...	...
570	ξ^2 Centauri	+ 3·4730	+ 0·0471	− 0·016	+19·375	− 0·138	+ 0·02	Stone
571	θ Muscæ	+ 3·8067	+ 0·0947	...	+19·362	− 0·152	...	...
572	39 Comæ	+ 2·9328	− 0·0052	− 0·007	+19·361	− 0·119	+ 0·05	1740
573	41 Comæ	+ 2·8820	− 0·0083	+ 0·000	+19·338	− 0·119	+ 0·08	1743
574	49 Virginis	+ 3·1354	+ 0·0105	− 0·000	+19·335	− 0·129	− 0·01	1742
575	B. F. 1305	+ 3·1248	+ 0·0096	...	+19·320	− 0·130	...	...
576	45 Hydræ ψ	+ 3·2213	+ 0·0182	− 0·004	+19·312	− 0·134	+ 0·04	1744
577	51 Virginis θ ...	+ 3·1037	+ 0·0078	− 0·004	+19·285	− 0·132	+ 0·04	1747
578	42 Comæ α	+ 2·9512	− 0·0033	− 0·033	+19·275	− 0·127	− 0·15	1748
579	Taylor 6056	+ 3·4151	+ 0·0376	− 0·020	+19·265	− 0·145	− 0·04	Stone
580	Taylor 6057	+ 3·6995	+ 0·0729	...	+19·259	− 0·158	...	...
581	*m* Centauri	+ 3·3571	+ 0·0310	...	+19·245	− 0·145	...	...
582	43 Comæ β	+ 2·8655	− 0·0079	− 0·061	+19·228	− 0·127	− 0·90	1755
583	Taylor 6077	+ 3·6978	+ 0·0706	...	+19·210	− 0·162	...	...
584	*m* Canum Venat. ...	+ 2·7389	− 0·0137	...	+19·173	− 0·125	...	...
585	57 Virginis	+ 3·2119	+ 0·0163	+ 0·020	+19·141	− 0·147	+ 0·10	1758
586	*r* Centauri	+ 3·3131	+ 0·0251	...	+19·121	− 0·153	...	...
587	61 Virginis	+ 3·2037	+ 0·0154	− 0·076	+19·071	− 0·152	+ 1·06	1763
588	20 Canum Venat. ...	+ 2·7099	− 0·0132	− 0·013	+19·070	− 0·130	− 0·02	1765
589	... ...	+ 3·2179	+ 0·0160	...	+18·950	− 0·161	...	...
590	... ...	+ 3·2196	+ 0·0162	...	+18·945	− 0·162	....	..
591	67 Virginis α... ...	+ 3·1561	+ 0·0116	− 0·004	+18·879	− 0·163	+ 0·02	1774
592	O. A. S. 12862 ...	+ 3·2301	+ 0·0167	...	+18·863	− 0·168	...	...
593	R. P. L. 103	− 2·5647	+ 0·9379	...	+18·857	+ 0·119	...	...
594	Taylor 6206	+ 3·6411	+ 0·0525	...	+18·784	− 0·198	...	...
595	Taylor 6235	+ 2·9005	− 0·0025	...	+18·717	− 0·160	...	...

Mean Positions of Stars for 1879, *January* 1*st.*

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension. h.	m.	s.	Mean Polar Distance. °	′	″	Observations.	Fraction of Year.
596	79 Virginis ζ	3·5	...	13	28	31·69	89	58	33·9	11	0·44
597	5 Bootis υ	4·1	...	13	43	38·48	73	36	2·6	2	0·32
598	Taylor 6424—2nd ...	5·6	3	13	44	17·58	142	12	36·7	3	0·33
599	3 Centauri *k*	4·6	3	13	44	50·66	122	23	31·8	3	0·34
600	4 Centauri *h*	5·2	2	13	46	14·83	121	19	43·9	2	0·35
601	Rumker 360	8·0	3	13	46	15·86	150	44	17·4	3	0·36
602	10 Draconis *i*	4·7	...	13	47	54·05	24	40	40·8	2	0·36
603	8 Bootis η	2·9	...	13	48	55·41	70	59	41·3	5	0·45
604	G. Z. C. XIII. 3120 ...	8·8	4	13	51	1·32	149	58	32·6	4	0·44
605	93 Virginis τ	4·3	...	13	55	29·34	87	52	7·9	10	0·47
606	R. P. L. 108	7·8	...	14	1	59·64	3	39	48·1	2	0·60
607	17 Bootis κ—2nd... ...	4·4	...	14	9	9·07	37	38	50·2	1	0·34
608	4 Ursæ Minoris	4·9	...	14	9	20·95	11	53	1·3	3	0·34
609	Radcliffe 3170	5·3	3	14	9	49·60	19	59	53·7	3	0·35
610	16Bootis α (*Arcturus*) ...	0·0	...	14	10	8·57	70	11	12·1	5	0·48
611	ι Lupi	4·6	5	14	11	39·66	135	29	54·1	5	0·40
612	19 Bootis λ	4·3	...	14	11	47·06	43	21	19·1	3	0·37
613	21 Bootis ι—1st	4·8	...	14	11	52·90	38	4	25·6	5	0·41
614	ψ Centauri	5·3	1	14	13	12·34	127	19	39·1	1	0·33
615	τ^1 Lupi	5·0	1	14	18	22·60	134	40	22·5	1	0·39
616	τ^2 Lupi	5·2	1	14	18	24·19	134	49	51·7	1	0·43
617	23 Bootis θ	4·2	...	14	21	4·54	37	35	20·6	4	0·38
618	52 Hydræ	5·0	...	14	21	5·24	118	56	45·4	3	0·42
619	105 Virginis φ	4·9	...	14	21	58·03	91	41	5·6	2	0·34
620	Taylor 6786	7·2	4	14	26	28·79	146	1	44·7	4	0·40
621	25 Bootis ρ	3·6	...	14	26	36·95	59	5	47·9	14	0·49
622	R Camelopardi, Var. 1 ...	9·7	1	14	26	48·43	5	37	12·2	3	0·96
623	27 Bootis γ	3·1	...	14	27	12·40	51	9	39·8	1	0·33
624	5 Ursæ Minoris	4·3	...	14	27	48·35	13	45	55·2	2	0·34
625	ρ Lupi	5·1	3	14	29	45·32	138	53	48·5	3	0·39
626	31 Bootis	5·0	...	14	35	42·25	81	19	9·9	3	0·35
627	c^1 Centauri	5·1	2	14	36	15·54	124	39	3·3	2	0·37
628	107 Virginis μ	3·9	...	14	36	41·04	95	7	50·4	5	0·43
629	c^2 Centauri	5·6	4	14	37	34·02	124	40	39·4	4	0·43
630	34 Bootis	4·9	...	14	38	6·49	62	57	24·1	2	0·46

606.—Groombridge 2099.

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	"	"	"	
596	79 Virginis ζ... ...	+ 3·0721	+ 0·0064	− 0·021	+18·577	− 0·176	− 0·06	1789
597	5 Bootis υ	+ 2·9003	+ 0·0000	− 0·009	+18·038	− 0·193	− 0·04	1813
598	Taylor 6424—2nd ...	+ 3·8300	+ 0·0583	...	+18·014	− 0·258	...	...
599	3 Centauri *k*	+ 3·4469	+ 0·0280	− 0·002	+17·992	− 0·230	+0·10	Stone
600	4 Centauri *h*	+ 3·4362	+ 0·0270	− 0·002	+17·938	− 0·232	+0·06	Stone
601	Rumker 360	+ 4·1395	+ 0·0873	...	+17·937	− 0·277	...	...
602	10 Draconis *i* ...	+ 1·7525	− 0·0004	− 0·002	+17·872	− 0·124	+0·01	1823
603	8 Bootis η	+ 2·8616	− 0·0006	− 0·005	+17·831	− 0·199	+0·34	1821
604	G. Z. C. XIII. 3120 ...	+ 4·1495	+ 0·0843	...	+17·747	− 0·287	...	...
605	93 Virginis τ... ...	+ 3·0483	+ 0·0064	− 0·001	+17·561	− 0·222	+0·03	1829
606	R. P. L. 108	− 7·5252	+ 2·3834	...	+17·279	+ 0·550	...	...
607	17 Bootis κ	+ 2·1464	− 0·0049	+ 0·005	+16·954	− 0·174	+0·04	1849
608	4 Ursæ Minoris ...	− 0·3259	+ 0·1554	− 0·011	+16·943	+ 0·019	− 0·02	1859
609	Radcliffe 3170 ...	+ 1·1009	+ 0·0283	...	+16·920	− 0·093	...	...
610	16 Bootis α	+ 2·8131	+ 0·0004	− 0·080	+16·906	− 0·227	+1·98	1847
611	ι Lupi...	+ 3·8115	+ 0·0453	...	+16·835	− 0·308	...	...
612	19 Bootis λ	+ 2·3022	− 0·0056	− 0·019	+16·827	− 0·194	− 0·15	1852
613	21 Bootis ι—1st ...	+ 2·1435	− 0·0044	− 0·017	+16·824	− 0·177	− 0·09	1854
614	ψ Centauri	+ 3·6319	+ 0·0336	...	+16·762	− 0·297	...	...
615	τ^1 Lupi	+ 3·8227	+ 0·0438	− 0·004	+16·509	− 0·323	+0·09	Stone
616	τ^2 Lupi	+ 3·8269	+ 0·0442	...	+16·507	− 0·323	...	...
617	23 Bootis θ	+ 2·0695	− 0·0026	− 0·028	+16·374	− 0·181	+0·40	1867
618	52 Hydræ	+ 3·4993	+ 0·0251	− 0·004	+16·373	− 0·301	+0·04	1862
619	105 Virginis φ ...	+ 3·0951	+ 0·0087	− 0·010	+16·328	− 0·269	+0·00	1865
620	Taylor 6786	+ 4·2561	+ 0·0706	...	+16·097	− 0·376	...	...
621	25 Bootis ρ	+ 2·5045	− 0·0015	− 0·009	+16·088	− 0·233	− 0·13	1869
622	R Camelopardi ...	− 5·0473	+ 1·0538	...	+16·078	+ 0·433	...	...
623	27 Bootis γ	+ 2·4275	− 0·0027	− 0·011	+16·057	− 0·219	− 0·15	1871
624	5 Ursæ Minoris ...	− 0·2080	+ 0·1207	+ 0·001	+16·026	+ 0·012	− 0·03	1873
625	ρ Lupi	+ 4·0038	+ 0·0514	...	+15·923	− 0·361	...	...
626	31 Bootis	+ 2·9440	+ 0·0051	− 0·000	+15·602	− 0·277	+0·01	1877
627	c^1 Centauri	+ 3·6546	+ 0·0302	− 0·006	+15·571	− 0·342	+0·18	Stone
628	107 Virginis μ ...	+ 3·1481	+ 0·0104	+ 0·006	+15·547	− 0·296	+.0·31	1880
629	c^2 Centauri	+ 3·6593	+ 0·0300	...	+15·498	− 0·345	...	...
630	34 Bootis	+ 2·6379	0·0000	− 0·001	+15·469	− 0·252	+0·01	1883

Mean Positions of Stars for 1879, *January* 1*st.*

Number	Star.	Magnitude.	Estimations.	Mean Right Ascension.			Mean Polar Distance.			Observations.	Fraction of Year.
				h.	*m.*	*s.*	°	′	″		
631	54 Hydræ *m*	5·0	...	14	39	0·64·13	114	55	41·7	5	0·50
632	35 Bootis *o*	4·8	...	14	39	35·7~~5~~4	72	31	20·1	3	0·43
633	36 Bootis ϵ^2 (*Mirac*) ...	2·6	...	14	39	42·25	62	24	53·4	1	0·56
634	109 Virginis	3·7	...	14	40	8·01 3	87	35	45·3	2	0·53
635	55 Hydræ	5·8	...	14	40	20·51·5	115	6	54·1	2	0·53
636	56 Hydræ	5·7	...	14	40	40·~~99~~ 1·01	115	34	43·7	2	0·40
637	7 Libræ μ	5·4	...	14	42	41·~~27~~ 30	103	38	35·7	2	0·41
638	58 Hydræ	5·0	...	14	43	11·~~00~~ ·14	117	27	17·4	4	0·46
639	*o* Lupi	5·1	2	14	43	44·~~56~~ 69	133	4	21·4	2	0·40
640	9 Libræ α^2	3·0	...	14	44	11·1~~3~~·9	105	32	15·4	5	0·46
641	37 Bootis ξ—2nd	4·6	...	14	45	48·~~59~~·46	70	23	46·1	1	0·36
642	15 Libræ ξ^2	5·8	...	14	50	12·01	100	55	11·7	1	0·37
643	16 Libræ	4·5	...	14	50	51·77	93	51	10·2	1	0·34
644	Radcliffe 3305	5·0	1	14	55	39·90	23	35	2·2	1	0·35
645	110 Virginis	4·6	...	14	56	47·25	87	25	56·0	2	0·35
646	Radcliffe 3325	5·2	4	14	58	30·51	6	59	31·8	4	0·43
647	43 Bootis ψ	4·5	...	14	59	15·6~~6~~4	62	34	46·2	6	0·48
648	44 Bootis *i*	4·9	...	14	59	48·~~22~~15	41	52	24·3	4	0·40
649	λ Lupi	5·1	4	15	0	41·~~89~~ 2·01	134	48	45·4	5	0·13
650	45 Bootis *c*	5·0	...	15	1	50·1~~3~~3	64	39	31·7	5	0·48
651	Taylor 7053	5·9	2	15	2	15·4~~6~~8	144	53	0·1	2	0·54
652	κ Lupi—1st	4·5	...	15	3	31·53~~4~~	138	16	34·0	2	0·49
653	R. P. L. 111	7·0	...	15	3	50·22	5	34	52·4	1	0·02
654	*e* Lupi	5·7	2	15	4	42·33	134	2	30·9	2	0·44
655	β Circini	5·1	4	15	8	3·02	148	20	47·4	4	0·46
656	48 Bootis χ	5·3	...	15	9	25·5~~7~~·5	60	23	7·4	3	0·38
657	μ Lupi—1st.	5·2	2	15	10	7·~~38~~·60	137	25	40·7	2	0·45
658	2 Lupi	4·7	3	15	10	28·~~15~~·27	119	42	8·1	3	0·45
659	27 Libræ β	2·7	...	15	10	29·73 7	98	56	6·8	3	0·54
660	49 Bootis δ—1st	3·5	...	15	10	37·~~72~~·66	56	13	57·1	3	0·47
661	ν^1 Lupi	5·1	4	15	13	42·~~96~~ 3·02	137	29	6·7	4	0·41
662	ϕ^1 Lupi	5·3	2	15	14	·7·~~85~~·91	125	49	12·8	2	0·53
663	ϕ^2 Lupi	5·1	2	15	15	25·~~46~~·55	126	25	22·0	2	0·44
664	11 Ursæ Minoris	5·1	...	15	17	12·~~35~~·10	17	44	12·8	2	0·46
665	51 Bootis μ	4·4	...	15	19	55·22	52	11	51·6	2	0·38

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	54 Hydræ *m*	+ 3·4696	+ 0·0216	− 0·015	+ 15·419	− 0·330	+ 0·10	1881
632	35 Bootis *o*	+ 2·8023	+ 0·0024	− 0·005	+ 15·385	− 0·269	+ 0·05	1888
633	36 Bootis e^2	+ 2·6240	− 0·0001	− 0·004	+ 15·379	− 0·252	− 0·00	1890
634	109 Virginis	+ 3·0363	+ 0·0073	− 0·009	+ 15·354	− 0·292	+ 0·03	1889
635	55 Hydræ	+ 3·4759	+ 0·0216	− 0·004	+ 15·348	− 0·333	+ 0·03	1885
636	56 Hydræ	+ 3·4851	+ 0·0220	− 0·003	+ 15·325	− 0·334	+ 0·03	1886
637	7 Libræ μ	+ 3·2838	+ 0·0145	− 0·007	+ 15·210	− 0·319	+ 0·02	1891
638	58 Hydræ	+ 3·5261	+ 0·0233	− 0·020	+ 15·182	− 0·342	+ 0·06	1892
639	*o* Lupi	+ 3·8912	+ 0·0402	...	+ 15·150	− 0·378	...	...
640	9 Libræ α^2	+ 3·3163	+ 0·0154	− 0·009	+ 15·124	− 0·324	+ 0·07	1894
641	37 Bootis ξ—2nd ...	+ 2·7571	+ 0·0021	+ 0·009	+ 15·031	− 0·272	+ 0·10	1898
642	15 Libræ ξ^2	+ 3·2467	+ 0·0130	− 0·002	+ 14·773	− 0·326	− 0·01	1903
643	16 Libræ	+ 3·1334	+ 0·0099	− 0·006	+ 14·734	− 0·316	+ 0·16	1905
644	Radcliffe 3305 ...	+ 0·9483	+ 0·0282	...	+ 14·446	− 0·102	...	...
645	110 Virginis	+ 3·0305	+ 0·0075	− 0·005	+ 14·377	− 0·314	− 0·01	1915
646	Radcliffe 3325 ...	− 4·5892	+ 0·6967	...	+ 14·265	+ 0·464	...	...
647	43 Bootis ψ	+ 2·5834	+ 0·0010	− 0·015	+ 14·226	− 0·271	+ 0·01	1922
648	44 Bootis *i*	+ 2·0186	+ 0·0015	− 0·043	+ 14·198	− 0·214	− 0·02	1923
649	λ Lupi	+ 4·0144	+ 0·0417	0·000	+ 14·187	− 0·420	+ 0·03	Stone
650	45 Bootis *c*	+ 2·6208	+ 0·0016	+ 0·012	+ 14·057	− 0·278	+ 0·19	1924
651	Taylor 7053	+ 4·4297	+ 0·0638	...	+ 14·040	− 0·467	...	...
652	κ Lupi—1st	+ 4·1487	+ 0·0476	− 0·020	+ 13·960	− 0·440	+ 0·06	Stone
653	R. P. L. 111	− 6·7684	+ 1·1607	...	+ 13·931	+ 0·704	...	...
654	*e* Lupi	+ 4·0051	+ 0·0402	...	+ 13·887	− 0·428	...	...
655	β Circini	+ 4·6587	+ 0·0748	...	+ 13·673	− 0·502	...	...
656	48 Bootis χ	+ 2·5133	+ 0·0013	− 0·008	+ 13·585	− 0·275	− 0·03	1935
657	μ Lupi—1st	+ 4·1457	+ 0·0452	− 0·015	+ 13·541	− 0·451	+ 0·08	Stone
658	2 Lupi	+ 3·6356	+ 0·0239	...	+ 13·518	− 0·397	...	...
659	27 Libræ β	+ 3·2275	+ 0·0117	− 0·008	+ 13·516	− 0·353	+ 0·02	1934
660	49 Bootis δ	+ 2·4115	+ 0·0010	+ 0·007	+ 13·511	− 0·212	+ 0·11	1936
661	ν^1 Lupi	+ 4·1633	+ 0·0448	...	+ 13·307	− 0·460	...	...
662	ϕ^1 Lupi	+ 3·7954	+ 0·0290	...	+ 13·280	− 0·420	...	...
663	ϕ^2 Lupi	+ 3·8152	+ 0·0295	...	+ 13·194	− 0·424	...	...
664	11 Ursæ Minoris ...	− 0·0966	+ 0·0746	+ 0·008	+ 13·077	+ 0·005	− 0·00	1954
665	51 Bootis μ	+ 2·2781	+ 0·0014	− 0·014	+ 12·896	− 0·260	− 0·08	1950

Mean Positions of Stars for 1879, *January* 1*st.*

	Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension. h.	m.	s.	Mean Polar Distance. °	′	″	Observations.	Fraction of Year.
	666	B. H. 952	5·5	2	15	27	54·37	98	46	28·3	2	0·35
	667	4 Coronæ Borealis θ ...	4·3	...	15	28	3·14	58	13	54·1	1	0·35
33.82	668	5 Cor. Bor. α (*Alpheta*) ...	2·4	...	15	29	33·84	62	52	35·8	6	0·46
48.43	669	6 Coronæ Borealis μ ...	5·4	...	15	30	48·43	50	35	14·3	5	0·43
13.55	670	40 Libræ	3·9	...	15	31	13·55	119	22	40·7	2	0·37
4.96	671	3 Lupi ψ¹	4·6	...	15	32	4·96	124	0	55·5	4	0·45
52.87	672	g Lupi	5·2	4	15	32	52·87	134	15	31·2	4	0·54
	673	42 Libræ	5·2	...	15	33	7·70	113	25	22·8	2	0·58
46.74	674	h Lupi	5·7	1	15	34	46·74	127	2	5·8	1	0·52
49.19	675	7 Coronæ Bor. ζ—2nd ...	5·2	...	15	34	49·19	52	58	11·6	2	0·48
	676	21 Serpentis ι	4·6	...	15	36	9·48	69	56	20·5	2	0·48
16.08	677	44 Libræ η...	5·5	...	15	37	16·08	105	17	8·5	4	0·45
	678	8 Coronæ Borealis γ ...	4·2	...	15	37	39·65	63	19	10·9	3	0·44
	679	24 Serpentis α	2·7	...	15	38	18·50	83	11	30·1	4	0·49
	680	27 Serpentis λ	4·4	...	15	40	34·14	82	15	58·1	3	0·36
17.57	681	35 Serpentis κ	4·2	...	15	43	17·60	71	29	0·6 4·5	2	0·35
33.29	682	κ Trianguli Australis ...	5·2	1	15	43	33·29	158	14	25·6	1	0·45
42.28	683	1 Scorpii b	4·8	...	15	43	42·28	115	22	55·3	1	0·37
	684	10 Coronæ Borealis δ ...	4·6	...	15	44	31·21	63	33	35·5	1	0·42
	685	38 Serpentis ρ	4·8	...	15	45	56·99	68	39	24·7	2	0·43
4.61	686	R. P. L. 115	7·0	...	15	46	4·61	4	46	42·5	2	0·50
20.97	687	2 Scorpii A	4·7	...	15	46	20·97	114	57	51·0	5	0·49
40.29	688	11 Coronæ Borealis κ ...	4·7	...	15	46	40·29	53	57	54·4	4	0·45
9.49	689	ξ Lupi—1st	5·6	...	15	49	9·49	123	36	37·4	2	0·48
10.13	690	ξ Lupi—2nd	6·2	...	15	49	10·13	123	36	20·5	1	0·52
6.26	691	η Lupi—1st	4·0	...	15	52	6·26	128	2	57·0	1	0·43
42.17	692	ι¹ Normæ	5·5	5	15	53	42·17	147	25	54·0	5	0·42
	693	η Normæ	5·5	2	15	54	19·51	138	53	24·1	2	0·35
21.50	694	Taylor 7437	5·7	2	15	55	21·50	128	15	47·8	2	0·46
	695	44 Serpentis π	5·0	...	15	57	5·08	66	51	31·2	4	0·47
56.78	696	δ Normæ	5·1	2	15	57	56·78	134	50	31·6	2	0·49
	697	8 Scorpii β¹	3·0	...	15	58	24·44	109	28	18·3	1	0·58
	698	θ Lupi	4·7	5	15	58	38·91	126	28	15·7	5	0·50
1.51	699	6 Herculis υ	4·7	...	15	59	1·51	43	37	35·3	2	0·41
22.46	700	ι² Normæ	5·6	1	15	59	22·46	147	36	22·1	1	0·44

686.—Carrington 2380.

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*	″	″	″	
666	B. H. 952	+ 3·2348	+ 0·0113	...	+ 12·353	− 0·376	...	...
667	4 Coronæ Borealis θ..	+ 2·4198	+ 0·0019	− 0·006	+ 12·343	− 0·283	+ 0·02	1968
668	5 Coronæ Borealis α..	+ 2·5298	+ 0·0023	+ 0·009	+ 12·238	− 0·297	+ 0·09	1973
669	6 Coronæ Borealis μ..	+ 2·1983	+ 0·0022	+ 0·001	+ 12·153	− 0·260	− 0·00	1979
670	40 Libræ	+ 3·6718	+ 0·0220	...	+ 12·123	− 0·431	...	″
671	3 Lupi ψ^1	+ 3·7930	+ 0·0257	...	+ 12·065	− 0·446	...	...
672	*g* Lupi	+ 4·1158	+ 0·0370	− 0·018	+ 12·008	− 0·485	+ 0·24	Stone
673	42 Libræ	+ 3·5365	+ 0·0180	− 0·008	+ 11·990	− 0·418	+ 0·01	1978
674	*h* Lupi	+ 3·8851	+ 0·0283	...	+ 11·874	− 0·460	...	...
675	7 Coronæ Borealis ζ...	+ 2·2594	+ 0·0021	− 0·004	+ 11·871	− 0·270	0·00	Romberg
676	21 Serpentis ι ...	+ 2·6771	+ 0·0035	− 0·007	+ 11·777	− 0·321	+ 0·03	1986
677	44 Libræ η	+ 3·3600	+ 0·0136	− 0·005	+ 11·698	− 0·404	+ 0·06	1985
678	8 Coronæ Borealis γ...	+ 2·5259	+ 0·0026	− 0·008	+ 11·670	− 0·304	− 0·03	1991
679	24 Serpentis α ...	+ 2·9422	+ 0·0062	+ 0·008	+ 11·624	− 0·354	− 0·06	1990
680	27 Serpentis λ ...	+ 2·9283	+ 0·0060	− 0·016	+ 11·462	− 0·355	+ 0·06	1995
681	35 Serpentis κ ...	+ 2·7019	+ 0·0039	− 0·004	+ 11·265	− 0·331	+ 0·08	2002
682	κ Trianguli Australis.	+ 5·8455	+ 0·1245	− 0·008	+ 11·247	− 0·709	+ 0·04	Stone
683	1 Scorpii *b*	+ 3·5976	+ 0·0184	− 0·006	+ 11·235	− 0·439	+ 0·04	2000
684	10 Coronæ Borealis δ.	+ 2·5203	+ 0·0028	− 0·008	+ 11·177	− 0·310	+ 0·08	2010
685	38 Serpentis ρ ...	+ 2·6307	+ 0·0035	− 0·005	+ 11·072	− 0·325	− 0·02	2013
686	R. P. L. 115	− 10·2670	+ 1·5283	...	+ 11·063	+ 1·244	...	...
687	2 Scorpii A	+ 3·5918	+ 0·0180	− 0·004	+ 11·048	− 0·442	+ 0·01	2006
688	11 Coronæ Borealis κ.	+ 2·2597	+ 0·0025	− 0·003	+ 11·020	− 0·280	+ 0·36	2018
689	ξ Lupi—1st	+ 3·8199	+ 0·0235	...	+ 10·837	− 0·473	...	...
690	ξ Lupi—2nd	+ 3·8199	+ 0·0235	...	+ 10·836	− 0·473	...	...
691	η Lupi—1st	+ 3·0599	+ 0·0269	− 0·011	+ 10·619	− 0·494	+ 0·05	Stone
692	ι^1 Normæ	+ 4·8554	+ 0·0598	...	+ 10·502	− 0·607	...	...
693	η Normæ	+ 4·3797	+ 0·0402	...	+ 10·450	− 0·549	...	...
694	Taylor 7437	+ 3·9746	+ 0·0267	...	+ 10·377	− 0·500	...	...
695	44 Serpentis π ...	+ 2·5811	+ 0·0034	0·000	+ 10·248	− 0·328	− 0·04	2038
696	δ Normæ	+ 4·2177	+ 0·0334	...	+ 10·183	− 0·533	− 0·02	Stone
697	8 Scorpii β^1	+ 3·4800	+ 0·0142	− 0·003	+ 10·147	− 0·441	+ 0·03	2034
698	θ Lupi	+ 3·9252	+ 0·0246	...	+ 10·129	− 0·497	...	...
699	6 Herculis υ	+ 1·8606	+ 0·0047	+ 0·005	+ 10·100	− 0·239	+ 0·06	2044
700	ι^2 Normæ	+ 4·8942	+ 0·0586	...	+ 10·075	− 0·621	...	...

Mean Positions of Stars for 1879, *January* 1*st.*

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension. h.	m.	s.	Mean Polar Distance. °	′	″	Observations.	Fraction of Year.
701	*m* Scorpii	5·8	...	16	0	45·07	116	0	1·8	1	0·44
702	R. P. L. 116	7·0	...	16	1	36·19	4	21	14·1	1	0·52
703	ζ Normæ	5·7	2	16	3	44·88	145	13	28·2	2	0·47
704	13 Scorpii c^2	4·7	...	16	4	50·96	117	36	38·6	3	0·45
705	15 Scorpii ψ	4·8	...	16	5	23·17	99	44	56·6	3	0·45
706	Radcliffe 3511	5·0	2	16	6	59·84	21	52	12·7	2	0·42
707	θ Normæ	5·6	1	16	6	28·89	137	3	39·2	1	0·44
708	γ^1 Normæ...	5·4	1	16	7	57·79	139	45	48·2	1	0·56
709	1 Ophiuchi δ	2·8	...	16	8	0·25	93	22	52·8	1	0·58
710	18 Scorpii	5·7	...	16	9	2·78	98	2	50·2	3	0·51
711	*d* Scorpii	5·0	...	16	10	47·80	118	18	39·3	1	0·53
712	λ Normæ	5·6	2	16	10	52·41	132	22	31·5	2	0·43
713	W. B. E. XVI. 197 ...	9·1	3	16	12	4·30	101	12	33·7	3	0·47
714	19 Scorpii	4·7	...	16	13	21·56	113	52	32·2	2	0·40
715	Radcliffe 3534	5·0	1	16	15	14·45	29	57	1·1	1	0·44
716	50 Serpentis σ	4·8	...	16	15	56·79	88	41	6·3	4	0·50
717	O. A. S. 15571	7·2	1	16	15	56·02	106	43	54·7	1	0·44
718	ι Trianguli Australis ...	5·6	1	16	16	43·57	153	46	48·9	1	0·46
719	19 Coronæ Borealis ξ ...	4·5	...	16	17	23·03	58	49	34·1	3	0·50
720	20 Coronæ Borealis ν^1 ...	5·1	...	16	17	48·08	55	54	54·6	1	0·44
721	ε Normæ	5·4	3	16	18	18·94	137	16	35·9	3	0·51
722	24 Herculis ω ...	4·7	...	16	19	49·82	75	41	12·0	4	0·53
723	3 Ophiuchi υ	4·6	...	16	21	15·43	98	5	57·4	3	0·47
724	21 Scorpii α (*Antares*) ...	1·1	...	16	21	59·38	116	9	41·9	2	0·56
725	10 Ophiuchi λ	4·0	...	16	24	48·65	87	44	58·6	5	0·47
726	μ Normæ	5·6	5	16	25	29·28	133	47	12·3	5	0·53
727	29 Herculis *h*	5·0	...	16	26	56·42	78	15	2·6	2	0·55
728	β Normæ	5·1	2	16	28	24·68	125	0	16·2	2	0·50
729	12 Ophiuchi	5·8	...	16	30	0·44	92	3	52·3	5	0·49
730	35 Herculis σ	4·2	...	16	30	12·08	47	18	44·1	4	0·56
731	W. B. E. 634	9·2	1	16	34	34·30	103	9	25·4	1	0·46
732	42 Herculis	5·2	...	16	35	27·72	40	50	2·0	4	0·50
733	40 Herculis ζ	3·1	...	16	36	43·50	58	10	37·3	3	0·57
734	43 Herculis *i*	5·5	...	16	40	1·39	18	11	42·4	3	0·53
735	Radcliffe 3602	5·2	4	16	43	0·09	33	0	5·3	4	0·54

702.—Carrington 2423. 713—731.—Comparison stars for Sappho in 1878.
717.—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.	
		s	s	s	"	"	"	
701	*m* Scorpii	+ 3·6381	+ 0·0172	...	+ 9·969	− 0·464	...	...
702	R. P. L. 116	− 12·1983	+ 1·7475	...	+ 9·905	+ 1·543	...	...
703	ζ Normæ	+ 4·7552	+ 0·0506	...	+ 9·742	− 0·610	...	...
704	13 Scorpii c^3 ...	+ 3·6851	+ 0·0176	+ 0·000	+ 9·657	− 0·475	+ 0·02	2052
705	15 Scorpii ψ	+ 3·2738	+ 0·0100	− 0·004	+ 9·615	− 0·428	+ 0·01	2056
706	Radcliffe 3511 ...	+ 0·1454	+ 0·0408	...	+ 9·569	− 0·022	...	...
707	θ Normæ	+ 4·3363	+ 0·0347	...	+ 9·533	− 0·560	...	...
708	γ^1 Normæ	+ 4·4672	+ 0·0383	...	+ 9·418	− 0·579	...	...
709	1 Ophiuchi δ... ...	+ 3·1420	+ 0·0081	− 0·005	+ 9·415	− 0·408	+ 0·14	2065
710	18 Scorpii	+ 3·2396	+ 0·0094	+ 0·011	+ 9·334	− 0·422	+ 0·51	2067
711	*d* Scorpii	+ 3·7123	+ 0·0173	...	+ 9·199	− 0·485	...	...
712	λ Normæ	+ 4·1563	+ 0·0280	...	+ 9·192	− 0·542	...	...
713	W. B. E. XVI. 197 ...	+ 3·3084	+ 0·0102	...	+ 9·099	− 0·434	...	...
714	19 Scorpii	+ 3·6011	+ 0·0150	− 0·004	+ 8·998	− 0·473	+ 0·03	2076
715	Radcliffe 3534 ...	+ 0·9902	+ 0·0161	...	+ 8·851	− 0·133	...	...
716	50 Serpentis σ ...	+ 3·0447	+ 0·0067	− 0·013	+ 8·796	− 0·404	− 0·04	2081
717	O. A. S. 15571 ...	+ 3·4335	+ 0·0117	...	+ 8·795	− 0·454	...	...
718	ι Trianguli Australis.	+ 5·5160	+ 0·0745	...	+ 8·734	− 0·727	...	...
719	19 Coronæ Bor. ξ ...	+ 2·3432	+ 0·0081	− 0·006	+ 8·684	− 0·312	− 0·12	2087
720	20 Coronæ Bor. ν^1 ...	+ 2·2561	+ 0·0083	...	+ 8·649	− 0·301	...	...
721	ε Normæ	+ 4·3797	+ 0·0322	...	+ 8·609	− 0·581	...	...
722	24 Herculis ω ...	+ 2·7633	+ 0·0044	− 0·003	+ 8·488	− 0·369	+ 0·03	2090
723	3 Ophiuchi ν... ...	+ 3·2451	+ 0·0087	...	+ 8·376	− 0·434	...	...
724	21 Scorpii α	+ 3·6699	+ 0·0150	− 0·002	+ 8·317	− 0·491	+ 0·03	2091
725	10 Ophiuchi λ ...	+ 3·0242	+ 0·0062	− 0·003	+ 8·092	− 0·406	+ 0·07	2097
726	μ Normæ	+ 4·2463	+ 0·0265	...	+ 8·087	− 0·570	...	...
727	29 Herculis *h* ...	+ 2·8168	+ 0·0046	− 0·015	+ 7·921	− 0·380	+ 0·07	2105
728	β Normæ	+ 3·9348	+ 0·0189	...	+ 7·803	− 0·531	...	...
729	12 Ophiuchi	+ 3·1168	+ 0·0069	+ 0·025	+ 7·674	− 0·422	+ 0·31	2108
730	35 Herculis σ ...	+ 1·9327	+ 0·0043	− 0·002	+ 7·657	− 0·263	− 0·03	2113
731	W. B. E. 684 ...	+ 3·3634	+ 0·0092	...	+ 7·304	− 0·459	...	...
732	42 Herculis	+ 1·6292	+ 0·0061	− 0·001	+ 7·231	− 0·225	− 0·02	2128
733	40 Herculis ζ ...	+ 2·2968	+ 0·0083	− 0·036	+ 7·128	− 0·316	− 0·41	2127
734	43 Herculis *i* ...	+ 2·8777	+ 0·0048	− 0·001	+ 6·857	− 0·397	− 0·05	2131
735	Radcliffe 3602 ...	+ 1·1288	+ 0·0108	...	+ 6·612	− 0·158	...	...

Mean Positions of Stars for 1879, *January* 1*st*.

	Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension.			Mean Polar Distance.			Observations.	Fraction of Year.
					h.	*m.*	*s.*	°	′	″		
26·85	736	47 Herculis *k*	5·4	...	16	44	26·84	82	32	29·7	5	0·54
7·67	737	23 Ophiuchi	5·6	...	16	48	7·66	95	57	16·2	2	0·54
	738	25 Ophiuchi *i*	4·4	...	16	48	16·96	79	37	59·2	1	0·58
22·78	739	53 Herculis	5·4	...	16	48	22·84	58	5	49·0	2	0·54
	740	27 Ophiuchi *κ*	3·4	...	16	51	56·40	80	26	7·5	4	0·58
29·02	741	ϵ^3 Aræ	5·1	3	16	53	28·03	143	3	10·7	4	0·55
51·91	742	*κ* Scorpii	5·1	5	16	56	51·88	123	57	2·7	5	0·53
	743	59 Herculis *d*	5·3	...	16	57	8·29	56	15	19·0	1	0·60
	744	22 Ursæ Minoris *ϵ* ...	4·5	...	16	58	25·88	7	46	2·9	7	0·20
	745	60 Herculis	4·9	...	16	59	46·13	77	5	29·4	5	0·53
	746	Lacaille 7107	5·2	2	17	0	56·58	157	2	22·6	2	0·61
56·38	747	*l* Scorpii	5·6	2	17	1	56·38	134	23	57·3	2	0·50
	748	Taylor 7957	5·2	5	17	3	44·63	53	54	22·5	5	0·59
	749	37 Ophiuchi	5·5	...	17	6	45·64	79	16	1·2	4	0·59
54·44	750	36 Ophiuchi A—1st ...	4·7	...	17	7	54·37	116	25	24·6	1	0·47
	751	64 Herculis *α*, Var. 1 ...	Var.	...	17	9	7·79	75	28	11·9	9	0·60
11·46	752	*u* Scorpii	5·7	2	17	9	11·43	122	31	27·1	3	0·56
29·93	753	69 Herculis *e*	4·9	...	17	13	29·93	52	34	49·7	1	0·52
1·22	754	53 Serpentis *ν*	4·4	...	17	14	1·20	102	43	18·8	3	0·59
	755	42 Ophiuchi *θ*	3·4	...	17	14	34·73	114	52	36·1	2	0·60
	756	*β* Aræ	2·8	...	17	15	14·49	145	24	45·6	2	0·63
34·09	757	κ^1 Aræ	5·3	2	17	16	34·01	140	31	12·8	2	0·56
	758	κ^2 Aræ	5·7	2	17	17	46·55	140	31	12·6	2	0·64
30·41	759	75 Herculis *ρ*—2nd ...	4·5	..	17	19	30·47	52	44	30·2	5	0·60
	760	Taylor 8071	5·6	3	17	20	12·80	94	58	39·0	3	0·60
	761	76 Herculis *λ*	4·3	...	17	25	50·70	63	47	48·8	5	0·60
	762	*σ* Aræ	5·6	3	17	26	39·22	136	25	10·3	3	0·64
48·19	763	Taylor 8115	5·6	4	17	26	48·17	122	29	44·5	5	0·59
	764	Taylor 8122	5·6	1	17	28	12·95	128	32	50·5	1	0·61
	765	55 Ophiuchi *α*	2·2	...	17	29	19·02	77	20	59·5	4	0·61
16·10	766	57 Ophiuchi *μ*	4·7	...	17	31	16·09	98	2	34·7	4	0·60
	767	Taylor 8150	7·5	3	17	32	7·63	122	7	49·9	3	0·60
	768	27 Draconis *f*	5·3	...	17	32	26·65	21	47	14·0	1	0·65
	769	*μ* Aræ	5·7	5	17	34	32·43	141	46	0·7	5	0·60
2·88	770	85 Herculis *i*	3·9	...	17	36	2·94	43	55	42·9	4	0·53

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	"	"	"	
736	47 Herculis *k* ...	+ 2·9067	+ 0·0049	+ 0·001	+ 6·492	− 0·404	− 0·01	2139
737	23 Ophiuchi	+ 3·2050	+ 0·0067	− 0·004	+ 6·186	− 0·447	+ 0·05	2146
738	25 Ophiuchi *i* ...	+ 2·8396	+ 0·0043	− 0·005	+ 6·173	− 0·397	+ 0·03	2150
739	53 Herculis	+ 2·2804	+ 0·0033	− 0·009	+ 6·165	− 0·319	+ 0·02	2151
740	27 Ophiuchi *κ* ...	+ 2·8569	+ 0·0044	− 0·021	+ 5·868	− 0·402	− 0·02	2156
741	ϵ^3 Aræ	+ 4·7756	+ 0·0288	− 0·006	+ 5·739	− 0·669	+ 0·16	Stone
742	*κ* Scorpii	+ 3·9384	+ 0·0135	...	+ 5·455	− 0·555	...	...
743	59 Herculis *d* ...	+ 2·2125	+ 0·0033	− 0·001	+ 5·430	− 0·313	− 0·01	2165
744	22 Ursæ Minoris *ϵ* ...	− 6·3786	+ 0·3090	+ 0·009	+ 5·305	+ 0·894	+ 0·00	2201
745	60 Herculis	+ 2·7765	+ 0·0033	+ 0·003	+ 5·210	− 0·393	+ 0·00	2167
746	Lacaille 7107 ...	+ 6·1235	+ 0·0577	...	+ 5·111	− 0·865	...	...
747	*l* Scorpii	+ 4·3396	+ 0·0180	...	+ 5·026	− 0·615	...	...
748	Taylor 7957	+ 2·1268	+ 0·0033	...	+ 4·873	− 0·303	...	...
749	37 Ophiuchi	+ 2·8257	+ 0·0033	− 0·002	+ 4·617	− 0·403	+ 0·03	2178
750	36 Ophiuchi A ...	+ 3·7~~2~~~~5~~6	+ 0·0093	− 0·039	+ 4·519	− 0·530	+ 1·14	2176
751	64 Herculis *α* ...	+ 2·7343	+ 0·0035	− 0·002	+ 4·414	− 0·391	− 0·03	2183
752	*u* Scorpii	+ 3·9039	+ 0·0107	...	+ 4·410	− 0·557	...	...
753	69 Herculis *e* ...	+ 2·0704	+ 0·0033	− 0·005	+ 4·041	− 0·298	− 0·08	2195
754	53 Serpentis *ν* ...	+ 3·3680	+ 0·0060	+ 0·001	+ 3·997	− 0·483	− 0·03	2190
755	42 Ophiuchi *θ* ...	+ 3·6800	+ 0·0080	− 0·002	+ 3·949	− 0·528	+ 0·04	2189
756	*β* Aræ	+ 4·9743	+ 0·0225	+ 000·2	+ 3·892	− 0·713	+ 0·03	Stone
757	κ^1 Aræ	+ 4·6663	+ 0·0177	...	+ 3·777	− 0·670	0·00	Stone
758	κ^2 Aræ	+ 4·6678	+ 0·0172	...	+ 3·674	− 0·671	...	...
759	75 Herculis *ρ*—2nd ...	+ 2·0712	+ 0·0032	− 0·006	+ 3·525	− 0·299	− 0·02	2207
760	Taylor 8071	+ 3·1870	+ 0·0046	...	+ 3·465	− 0·459	...	...
761	76 Herculis *λ* ...	+ 2·4216	+ 0·0029	− 0·000	+ 2·978	− 0·350	− 0·02	2218
762	*σ* Aræ	+ 4·4626	+ 0·0120	...	+ 2·906	− 0·645	...	...
763	Taylor 8115	+ 3·9149	+ 0·0076	...	+ 2·894	− 0·565	...	...
764	Taylor 8122	+ 4·1272	+ 0·0087	...	+ 2·772	− 0·597	...	...
765	55 Ophiuchi *α* ...	+ 2·7749	+ 0·0030	+ 0·007	+ 2·677	− 0·402	+ 0·22	2218
766	57 Ophiuchi *μ* ...	+ 3·2597	+ 0·0041	− 0·003	+ 2·507	− 0·473	+ 0·01	2220
767	Taylor 8150	+ 3·9057	+ 0·0066	+ 0·000	+ 2·432	− 0·566	0·00	Stone
768	27 Draconis *f* ...	− 0·2481	+ 0·0153	− 0·007	+ 2·404	+ 0·035	− 0·13	2234
769	*μ* Aræ...	+ 4·7587	+ 0·0116	...	+ 2·223	− 0·690	...	...
770	85 Herculis *ι*... ...	+ 1·6919	+ 0·0035	− 0·000	+ 2·092	− 0·246	− 0·01	2233

Mean Positions of Stars for 1879, *January* 1*st.*

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension. h.	m.	s.	Mean Polar Distance. °	′	″	Observations.	Fraction of Year.
771	28 Draconis ω	4·9	...	17	37	39·06	21	11	9·0	2	0·65
772	Taylor 8227	5·7	1	17	41	18·90	121	39	32·6	2	0·51
773	ι^2 Scorpii	5·9	2	17	41	43·36	130	2	57·3	2	0·65
774	86 Herculis μ	3·5	...	17	41	43·31	62	12	25·9	10	0·61
775	62 Ophiuchi γ	3·8	...	17	41	49·66	87	14	44·9	3	0·56
776	Taylor 8300—1st... ...	5·8	...	17	51	18·88	120	14	18·8	1	0·49
777	32 Draconis ξ	3·9	...	17	51	26·04	33	6	28·1	3	0·58
778	91 Herculis θ	4·0	...	17	52	6·17	52	43	58·2	3	0·55
779	92 Herculis ξ	3·9	...	17	53	3·69	60	44	15·5	3	0·60
780	94 Herculis ν	4·6	...	17	53	52·35	59	47	55·9	1	0·66
781	57 Serpentis ζ	4·5	...	17	54	5·40	93	40	50·8	4	0·63
782	66 Ophiuchi	4·8	...	17	54	16·15	85	37	20·4	1	0·65
783	93 Herculis	4·5	...	17	54	40·16	73	14	26·9	2	0·63
784	69 Ophiuchi τ	4·9	...	17	56	29·51	98	10	39·1	3	0·67
785	96 Herculis	5·1	...	17	57	12·52	69	9	54·5	3	0·61
786	70 Ophiuchi—1st... ...	4·1	...	17	59	20·41	87	28	13·7	3	0·59
787	Lacaille 7561	5·7	4	18	2	37·75	153	42	47·1	4	0·61
788	103 Herculis o	4·0	...	18	2	49·00	61	15	12·9	2	0·58
789	13 Sagittarii μ	4·1	...	18	6	31·56	111	5	18·2	14	0·61
790	... ...	8·2	1	18	6	44·53	123	10	20·9	1	0·61
791	104 Herculis A	4·9	...	18	7	20·98	58	37	25·1	4	0·58
792	40 Draconis	5·8	...	18	9	4·83	10	1	0·5	2	0·67
793	g Sagittarii	4·7	...	18	10	28·68	117	5	2·3	2	0·62
794	23 Ursæ Minoris δ ...	4·5	...	18	11	21·72	3	23	29·2	4	0·38
795	... ...	7·0	2	18	12	39·45	127	32	11·9	2	0·66
796	Radcliffe 3885	5·3	4	18	13	16·12	49	6	36·0	4	0·63
797	105 Herculis	5·5	...	18	14	11·78	65	36	10·8	2	0·59
798	24 Ursæ Minoris	6·1	...	18	15	35·55	3	0	43·9	2	0·11
799	1 Lyræ κ	4·4	...	18	15	37·14	54	0	18·6	3	0·65
800	Radcliffe 3905	5·1	3	18	18	26·80	40	56	17·5	4	0·64
801	Lacaille 7666	7·0	...	18	19	26·98	161	50	53·8	1	0·66
802	39 Draconis b	4·8	...	18	22	8·75	31	16	6·6	2	0·60
803	43 Draconis ϕ	4·2	...	18	22	29·11	18	43	34·8	5	0·67
804	44 Draconis χ	3·7	...	18	23	14·21	17	18	58·1	1	0·65
805	ν^2 Sagittarii	5·7	3	18	26	1·36	123	6	15·1	3	0·58

790.—Comparison star for Thyra in 1878. 795.—Comparison star for Baucis in 1878.

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	"	"	"	
771	28 Draconis ω ...	− 0·3604	+ 0·0139	+ 0·002	+ 1·952	+ 0·051	− 0·31	2238
772	Taylor 8227	+ 3·8939	+ 0·0050	− 0·001	+ 1·633	− 0·567	− 0·04	Stone
773	ι^2 Scorpii	+ 4·1924	+ 0·0059	...	+ 1·598	− 0·610	...	...
774	86 Herculis μ ...	+ 2·3698	+ 0·0025	− 0·024	+ 1·597	− 0·346	+ 0·75	2237
775	62 Ophiuchi γ ...	+ 3·0081	+ 0·0028	− 0·004	+ 1·589	− 0·438	+ 0·06	2236
776	Taylor 8300—1st ...	+ 3·8510	+ 0·0034	+ 0·003	+ 0·760	− 0·561	+ 0·05	Stone
777	32 Draconis ξ ...	+ 1·0234	+ 0·0038	+ 0·015	+ 0·748	− 0·149	− 0·08	2263
778	91 Herculis θ ...	+ 2·0556	+ 0·0025	− 0·002	+ 0·691	− 0·300	− 0·02	2256
779	92 Herculis ξ ...	+ 2·3236	+ 0·0023	+ 0·006	+ 0·606	− 0·339	+ 0·03	2258
780	94 Herculis ν ...	+ 2·2945	+ 0·0024	− 0·001	+ 0·536	− 0·335	− 0·01	2261
781	57 Serpentis ζ ...	+ 3·1583	+ 0·0023	+ 0·008	+ 0·519	− 0·460	+ 0·04	2254
782	66 Ophiuchi	+ 2·9699	+ 0·0021	− 0·002	+ 0·502	− 0·433	− 0·02	2257
783	93 Herculis	+ 2·6698	+ 0·0022	− 0·001	+ 0·466	− 0·389	− 0·01	2262
784	69 Ophiuchi τ ...	+ 3·2644	+ 0·0021	+ 0·002	+ 0·307	− 0·476	+ 0·01	2265
785	96 Herculis	+ 2·5636	+ 0·0022	− 0·002	+ 0·244	− 0·368	+ 0·01	2269
786	70 Ophiuchi	+ 3·0132	+ 0·0019	+ 0·013	+ 0·057	− 0·439	+ 1·11	2271
787	Lacaille 7561 ...	+ 5·7787	− 0·0011	...	− 0·230	− 0·843	...	...
788	103 Herculis o ...	+ 2·3390	+ 0·0021	− 0·001	− 0·247	− 0·341	− 0·00	2281
789	13 Sagittarii μ ...	+ 3·5876	+ 0·0009	− 0·001	− 0·571	− 0·523	− 0·00	2284
790	... ...	+ 3·9458	+ 0·0003	...	− 0·590	− 0·575	...	...
791	104 Herculis A ...	+ 2·2574	+ 0·0020	− 0·002	− 0·648	− 0·329	− 0·03	2291
792	40 Draconis	− 4·4907	− 0·0226	+ 0·022	− 0·848	+ 0·654	− 0·13	2318
793	g Sagittarii	+ 3·7552	+ 0·0001	...	− 0·917	− 0·547	...	...
794	23 Ursæ Minoris δ ...	− 19·4602	− 0·3304	+ 0·026	− 0·994	+ 2·834	− 0·04	2395
795	... ...	+ 4·0980	− 0·0013	...	− 1·107	− 0·597	...	...
796	Radcliffe 3885 ...	+ 1·9165	+ 0·0020	...	− 1·161	− 0·279	...	...
797	105 Herculis... ...	+ 2·4671	+ 0·0019	+ 0·002	− 1·241	− 0·358	− 0·00	2300
798	24 Ursæ Minoris ...	− 22·2741	− 0·5863	+ 0·067	− 1·363	+ 3·242	+ 0·02	2417
799	1 Lyræ κ	+ 2·1034	+ 0·0020	− 0·002	− 1·365	− 0·298	− 0·04	2305
800	Radcliffe 3905 ...	+ 1·5360	+ 0·0016	...	− 1·613	− 0·222	...	...
801	Lacaille 7666 ...	+ 7·1354	− 0·0283	...	− 1·699	− 1·037	...	...
802	39 Draconis b ...	+ 0·8810	− 0·0004	− 0·005	− 1·935	− 0·127	− 0·05	2328
803	43 Draconis ϕ ...	− 0·8523	− 0·0111	− 0·000	− 1·975	+ 0·125	− 0·02	2334
804	44 Draconis χ ...	− 1·1929	− 0·0148	+ 0·113	− 2·043	+ 0·173	+ 0·37	2337
805	ν^2 Sagittarii ...	+ 3·9383	− 0·0034	...	− 2·272	− 0·570	...	...

Mean Positions of Stars for 1879, *January* 1*st*.

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension.			Mean Polar Distance.			Observations.	Fraction of Year.
				h.	*m.*	*s.*	°	′	″		
806	Radcliffe 3983—2nd ...	5·2	1	18	31	11·87	37	44	31·3	2	0·63
807	3 Lyræ α (*Vega*)	0·2	...	18	32	50·40	51	19	41·1	4	0·57
808	3 Aquilæ	5·1	...	18	36	55·87	98	23	31·7	4	0·59
809	46 Draconis *c*	5·2	...	18	40	17·14	34	34	58·5	1	0·59
810	4 Lyræ ϵ^1—1st	5·0	...	18	40	19·62	50	27	18·5	5	0·69
811	5 Lyræ ϵ^2—1st	5·3	...	18	40	21·68	50	30	46·7	3	0·66
812	5 Lyræ ϵ^2—2nd	5·5	...	18	40	22·21	50	30	48·5	1	0·72
813	110 Herculis	4·2	...	18	40	27·28	69	34	3·7	1	0·62
814	6 Aquilæ	4·4	...	18	40	45·35	94	52	31·1	3	0·64
815	10 Lyræ β, Var. 1 ...	Var.	...	18	45	36·72	56	46	36·6	13	0·63
816	35 Sagittarii ν^2	5·2	...	18	47	48·04	112	49	11·5	4	0·63
817	ω Pavonis	5·6	3	18	47	50·95	150	21	22·7	3	0·67
818	47 Draconis *o*	4·6	...	18	49	24·84	30	45	32·8	1	0·71
819	11 Lyræ δ^1	5·3	...	18	49	29·95	53	10	39·5	1	0·63
820	113 Herculis	4·6	...	18	49	38·29	67	30	26·3	4	0·68
821	θ Serpentis—1st	4·7	...	18	50	12·06	85	57	10·2	4	0·62
822	θ Serpentis—2nd... ...	5·1	...	18	50	13·62	85	57	12·0	2	0·66
823	9 Aquilæ	5·1	...	18	50	34·79	96	0	5·6	1	0·61
824	R. P. L. 131	6·5	...	18	54	16·15	3	26	46·1	1	0·16
825	48 Draconis	5·6	...	18	54	41·87	32	20	42·8	3	0·63
826	Lacaille 7944	5·7	3	18	57	2·32	158	36	28·4	4	0·71
827	17 Aquilæ ζ	3·1	...	18	59	50·79	76	18	52·9	15	0·65
828	20 Lyræ η—1st	4·5	...	19	9	37·99	51	3	39·5	4	0·65
829	1 Vulpeculæ	4·7	...	19	11	0·77	68	49	19·9	3	0·64
830	54 Draconis	5·3	...	19	11	45·46	32	30	13·4	3	0·61
831	25 Aquilæ ω	5·1	...	19	12	8·16	78	37	16·4	7	0·68
832	21 Lyræ θ...	5·2	3	19	12	9·87	52	4	50·6	3	0·61
833	60 Draconis τ	4·5	...	19	17	51·97	16	52	7·4	5	0·69
834	31 Aquilæ *b*	5·3	...	19	19	11·91	78	18	44·6	3	0·61
835	30 Aquilæ δ	3·5	...	19	19	23·79	87	7	29·3	8	0·67
836	58 Draconis π	4·6	...	19	20	2·35	24	31	5·3	2	0·67
837	32 Aquilæ ν	4·8	...	19	20	19·78	89	54	2·7	2	0·59
838	37 Aquilæ	5·3	...	19	28	27·45	100	49	21·6	1	0·58
839	52 Sagittarii h^2	4·6	...	19	29	20·50	115	8	54·4	8	0·70
840	61 Draconis σ	4·7	...	19	32	35·23	20	32	40·1	2	0·59

824.—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.	
		s	*s*	*s*	"	"	"	
806	Radcliffe 3983—2nd..	+ 1·3610	+ 0·0003	...	− 2·722	− 0·196	...	...
807	3 Lyræ *a*	+ 2·0132	+ 0·0016	+ 0·017	− 2·864	− 0·290	− 0·30	2341
808	3 Aquilæ	+ 3·2670	− 0·0010	− 0·00	− 3·218	− 0·469	− 0·02	2343
809	46 Draconis *c* ...	+ 1·1629	− 0·0013	− 0·004	− 3·508	− 0·165	− 0·02	2360
810	4 Lyræ ϵ^1—1st ...	+ 1·9856	+ 0·0014	− 0·002	− 3·510	− 0·283	− 0·08	2355
811	5 Lyræ ϵ^2—1st ...	+ 1·9878	+ 0·0014	− 0·001	− 3·514	− 0·283	− 0·07	2356
812	5 Lyræ ϵ^2—2nd ...	+ 1·9879	+ 0·0014	− 0·001	− 3·514	− 0·283	− 0·07	2356
813	110 Herculis... ...	+ 2·5819	+ 0·0012	− 0·003	− 3·522	− 0·369	+ 0·35	2351
814	6 Aquilæ	+ 3·1846	− 0·0009	− 0·002	− 3·547	− 0·455	+ 0·02	2350
815	10 Lyræ β	+ 2·2140	+ 0·0015	− 0·001	− 3·965	− 0·315	− 0·02	2369
816	35 Sagittarii ν^2 ...	+ 3·6226	− 0·0045	+ 0·005	− 4·153	− 0·515	+ 0·01	2366
817	ω Pavonis	+ 5·3706	− 0·0287	...	− 4·157	− 0·765	...	...
818	47 Draconis *o* ...	+ 0·8779	− 0·0045	+ 0·009	− 4·289	− 0·123	− 0·02	2386
819	11 Lyræ δ^1	+ 2·0946	+ 0·0013	− 0·002	− 4·298	− 0·296	− 0·00	2380
820	113 Herculis	+ 2·5316	+ 0·0011	− 0·001	− 4·310	− 0·359	− 0·01	2378
821	θ Serpentis—1st ...	+ 2·9799	− 0·0005	+ 0·001	− 4·358	− 0·422	− 0·04	2376
822	θ Serpentis—2nd ...	+ 2·9799	− 0·0005	+ 0·001	− 4·361	− 0·422	− 0·06	2377
823	9 Aquilæ	+ 3·2094	− 0·0017	+ 0·008	− 4·390	− 0·455	+ 0·03	2375
824	R. P. L. 131	− 18·5106	− 1·5105	...	− 4·704	+ 2·626	...	...
825	48 Draconis	+ 1·0210	− 0·0039	− 0·005	− 4·742	− 0·143	+ 0·06	2400
826	Lacaille 7944... ...	+ 6·3799	− 0·0614	...	− 4·940	− 0·900	...	...
827	17 Aquilæ ζ	+ 2·7578	+ 0·0003	− 0·003	− 5·177	− 0·387	+ 0·09	2405
828	20 Lyræ η—1st ...	+ 2·0414	+ 0·0010	− 0·002	− 6·000	− 0·281	− 0·01	2427
829	1 Vulpeculæ	+ 2·5789	+ 0·0007	− 0·001	− 6·115	− 0·355	+ 0·00	2428
830	54 Draconis	+ 1·0760	− 0·0044	− 0·002	− 6·178	− 0·146	+ 0·07	2444
831	25 Aquilæ ω	+ 2·8165	− 0·0003	− 0·001	− 6·208	− 0·388	− 0·03	2432
832	21 Lyræ θ	+ 2·0820	+ 0·0010	− 0·004	− 6·210	− 0·286	0·00	2438
833	60 Draconis τ ...	− 1·0844	− 0·0565	− 0·031	− 6·684	+ 0·152	− 0·11	2472
834	31 Aquilæ *b*	+ 2·8121	− 0·0004	+ 0·049	− 6·793	− 0·383	− 0·65	2452
835	30 Aquilæ δ	+ 3·0091	− 0·0018	+ 0·015	− 6·809	− 0·410	− 0·09	2451
836	58 Draconis π ...	+ 0·3181	− 0·0188	− 0·001	− 6·863	− 0·041	− 0·03	2471
837	32 Aquilæ ν	+ 3·0701	− 0·0023	− 0·001	− 6·887	− 0·418	− 0·02	2455
838	37 Aquilæ	+ 3·3091	− 0·0052	− 0·000	− 7·549	− 0·444	+ 0·00	2477
839	52 Sagittarii h^3 ...	+ 3·6528	− 0·0102	+ 0·002	− 7·622	− 0·490	+ 0·01	2478
840	61 Draconis σ ...	− 0·2082	− 0·0369	+ 0·097	− 7·883	− 0·031	+ 1·77	2505

Mean Positions of Stars for 1879, *January* 1*st.*

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension.			Mean Polar Distance.			Observations.	Fraction of Year.
				h.	*m.*	*s.*	°	′	″		
841	44 Aquilæ σ	5·0	...	19	33	13·23	84	52	32·8	5	0·71
842	Radcliffe 4413	5·2	1	19	35	57·72	35	18	31·8	2	0·61
843	50 Aquilæ γ	2·8	...	19	40	30·43	79	40	48·3	9	0·72
844	Radcliffe 4446	5·5	2	19	40	52·72	32	16	19·4	2	0·60
845	17 Cygni	5·0	...	19	41	49·90	56	33	9·8	3	0·62
846	8 Sagittæ ζ	5·0	...	19	43	36·23	71	9	36·4	1	0·60
847	51 Aquilæ	5·6	...	19	44	7·16	101	4	5·4	2	0·65
848	λ Ursæ Minoris	6·5	...	19	45	12·47	1	3	32·9	1	0·18
849	Lacaille 8224	5·7	2	19	46	10·00	159	28	42·3	2	0·72
850	Radcliffe 4469	5·3	4	19	46	27·89	49	42	26·7	4	0·69
851	B. F. 2695	5·7	2	19	46	58·46	93	25	35·5	3	0·64
852	13 Vulpeculæ	4·7	...	19	48	18·00	66	14	4·9	3	0·74
853	59 Aquilæ ξ	4·9	...	19	48	22·81	81	50	59·6	3	0·68
854	58 Sagittarii ω	5·0	...	19	48	25·51	116	37	8·4	2	0·73
855	60 Aquilæ β	4·0	...	19	49	22·21	83	53	36·0	3	0·76
856	22 Cygni	4·7	...	19	51	32·02	51	50	1·4	4	0·62
857	Taylor 9172	5·6	4	19	51	59·75	125	1	18·0	4	0·68
858	Radcliffe 4517	5·2	3	19	53	1·68	49	57	23·3	3	0·64
859	14 Vulpeculæ	5·7	...	19	53	59·02	67	13	35·0	1	0·61
860	Taylor 9215	5·3	2	19	56	36·84	65	32	4·1	2	0·60
861	R Capricorni var. 1 ...	9·9	3	20	4	30·97	104	37	29·0	3	0·74
862	Radcliffe 4654	5·2	2	20	9	9·44	38	54	0·4	2	0·62
863	30 Cygni o^1	4·9	...	20	9	29·60	43	32	56·9	1	0·61
864	31 Cygni o^2	3·8	...	20	9	49·13	43	37	30·4	2	0·64
865	33 Cygni	4·4	...	20	10	34·78	33	48	5·4	3	0·73
866	23 Vulpeculæ	4·8	...	20	10	45·18	62	33	18·8	3	0·65
867	6 Capricorni α^2	3·8	...	20	11	20·37	102	55	5·4	5	0·75
868	24 Vulpeculæ	5·5	...	20	11	36·15	65	42	3·0	5	0·70
869	32 Cygni	4·1	...	20	11	43·73	42	39	22·7	5	0·75
870	11 Capricorni ρ	5·0	...	20	21	57·44	108	12	44·2	8	0·75
871	41 Cygni	4·1	...	20	24	26·85	60	2	3·4	1	0·61
872	ϕ^1 Pavonis	5·5	3	20	25	32·74	150	59	14·7	3	0·67
873	R. P. L. 141	7·8	...	20	25	49·89	5	17	15·2	4	0·69
874	45 Cygni ω^2	5·0	...	20	26	18·69	41	27	15·7	2	0·66
875	2 Delphini ϵ	4·1	...	20	27	26·06	79	6	23·2	2	0·64

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	"	"	"	
841	44 Aquilæ σ	+ 2·9621	− 0·0019	− 0·002	− 7·934	− 0·394	− 0·00	2492
842	Radcliffe 4413 ...	+ 1·3478	− 0·0043	...	− 8·154	− 0·177	...	...
843	50 Aquilæ γ ...	+ 2·8519	− 0·0011	− 0·001	− 8·515	− 0·373	− 0·01	2511
844	Radcliffe 4446 ...	+ 1·1568	− 0·0072	...	− 8·546	− 0·149	...	...
845	17 Cygni	+ 2·2750	+ 0·0013	− 0·001	− 8·621	− 0·296	+ 0·43	2517
846	8 Sagittæ ζ	+ 2·6619	+ 0·0002	+ 0·002	− 8·760	− 0·345	− 0·03	2523
847	51 Aquilæ	+ 3·3073	− 0·0062	− 0·004	− 8·801	− 0·430	− 0·06	2519
848	λ Ursæ Minoris ...	− 61·7547	− 29·4729	− 0·050	− 8·886	+ 8·078	+ 0·00	2795
849	Lacaille 8224 ...	+ 6·2676	− 0·1143	...	− 8·961	− 0·815	...	...
850	Radcliffe 4469 ...	+ 2·0588	+ 0·0010	...	− 8·985	− 0·264	...	...
851	B. F. 2695	+ 3·1437	− 0·0041	...	− 9·024	− 0·406	...	...
852	13 Vulpeculæ ...	+ 2·5481	+ 0·0008	+ 0·001	− 9·129	− 0·327	− 0·04	2537
853	59 Aquilæ ξ ...	+ 2·9018	− 0·0016	+ 0·006	− 9·134	− 0·373	+ 0·07	2536
854	58 Sagittarii ω ...	+ 3·6688	− 0·0131	+ 0·013	− 9·137	− 0·473	− 0·09	2528
855	60 Aquilæ β	+ 2·9452	− 0·0020	+ 0·001	− 9·211	− 0·378	+ 0·47	2538
856	22 Cygni	+ 2·1435	+ 0·0012	− 0·000	− 9·379	− 0·272	− 0·01	2547
857	Taylor 0172	+ 3·8995	− 0·0190	...	− 9·415	− 0·498	...	...
858	Radcliffe 4517 ...	+ 2·0826	+ 0·0010	...	− 9·494	− 0·260	...	...
859	14 Vulpeculæ ...	+ 2·5790	+ 0·0007	− 0·007	− 9·568	− 0·327	− 0·02	2553
860	Taylor 9215	+ 2·5410	+ 0·0009	...	− 9·770	− 0·320	...	...
861	R Capricorni ...	+ 3·3710	− 0·0087	...	− 10·368	− 0·418	...	...
862	Radcliffe 4654 ..	+ 1·6716	− 0·0017	...	− 10·713	− 0·201	...	...
863	30 Cygni o^1	+ 1·8845	+ 0·0005	+ 0·002	− 10·738	− 0·227	+ 0·02	2601
864	31 Cygni o^2	+ 1·8886	+ 0·0005	− 0·000	− 10·761	− 0·228	− 0·00	2603
865	33 Cygni	+ 1·3909	− 0·0056	+ 0·010	− 10·819	− 0·166	− 0·10	2611
866	23 Vulpeculæ ...	+ 2·4880	+ 0·0015	− 0·005	− 10·831	− 0·301	− 0·01	2602
867	6 Capricorni α^2 ...	+ 3·3300	− 0·0084	+ 0·002	− 10·874	− 0·403	− 0·02	2595
868	24 Vulpeculæ ...	+ 2·5655	+ 0·0011	+ 0·000	− 10·898	− 0·309	+ 0·03	2606
869	32 Cygni	+ 1·8544	+ 0·0001	+ 0·000	− 10·902	− 0·222	+ 0·01	2612
870	11 Capricorni ρ ...	+ 3·4304	− 0·0115	− 0·003	− 11·642	− 0·403	+ 0·01	2626
871	41 Cygni	+ 2·4496	+ 0·0021	+ 0·001	− 11·819	− 0·284	+ 0·00	2637
872	ϕ^1 Pavonis	+ 5·0130	− 0·0774	+ 0·004	− 11·897	− 0·584	...	Stone
873	R. P. L. 141	− 8·5833	− 1·2671	...	− 11·917	+ 1·015	...	...
874	45 Cygni ω^2	+ 1·8569	+ 0·0085	0·000	− 11·951	− 0·213	− 0·01	2645
875	2 Delphini ϵ ...	+ 2·8664	− 0·0013	− 0·001	− 12·029	− 0·330	+ 0·02	2642

Mean Positions of Stars for 1879, *January* 1*st.*

Number	Star.	Magnitude.	Estimations.	Mean Right Ascension.			Mean Polar Distance.			Observations.	Fraction of Year.
				h.	*m.*	*s.*	°	′	″		
876	46 Cygni ω^2	5·6	...	20	27	34·427	41	11	13·9	3	0·76
877	4 Delphini ζ	4·7	...	20	29	38·78	75	44	31·8	2	0·71
878	ϕ^2 Pavonis	5·6	3	20	30	0·383	150	57	6·1	3	0·73
879	70 Aquilæ	5·3	...	20	30	25·50	92	58	4·8	2	0·73
880	υ Pavonis	5·2	3	20	30	49·6064	157	11	7·3	3	0·76
881	6 Delphini β	3·7	...	20	31	52·38	75	49	28·0	1	0·70
882	71 Aquilæ	4·4	...	20	32	5·24	91	31	37·5	2	0·69
883	8 Delphini θ	6·1	...	20	33	1·19	77	6	30·7	1	0·65
884	1 Aquarii	5·4	...	20	33	12·75	89	56	15·6	3	0·67
885	9 Delphini α	4·0	...	20	34	1·09	74	30	49·5	2	0·64
886	50 Cygni α (*Deneb*) ...	1·5	...	20	37	18·1821	45	9	3·0	4	0·76
887	54 Cygni λ	4·6	...	20	42	41·34	53	57	11·1	1	0·66
888	ι Indi	5·6	2	20	42	44·48	142	3	25·2	2	0·65
889	3 Cephei η	3·6	...	20	42	49·20	28	37	47·7	3	0·67
890	32 Vulpeculæ	5·1	...	20	49	24·125	62	24	4·6	10	0·75
891	76 Draconis	5·6	...	20	51	15·43	7	55	6·5	3	0·66
892	1 Piscis Australis ...	5·5	1	20	53	51·92	122	43	45·1	1	0·65
893	22 Capricorni η	5·2	...	20	57	30·87	110	19	54·5	1	0·65
894	η Microscopii	5·5	1	20	58	32·81	131	51	58·9	1	0·65
895	24 Capricorni A	4·6	...	21	0	2·94	115	29	15·4	2	0·67
896	62 Cygni ξ	3·7	...	21	0	31·66	46	33	11·4	2	0·70
897	25 Capricorni χ	5·3	...	21	1	37·64	111	40	41·0	1	0·67
898	63 Cygni f^2	5·1	...	21	2	25·70	42	50	14·2	3	0·68
899	64 Cygni ζ	3·5	...	21	7	47·146	60	16	5·1	7	0·76
900	Radcliffe 5151	5·1	1	21	8	43·20	30	30	38·8	1	0·65
901	8 Equulei α	4·1	...	21	9	46·48	85	15	2·1	2	0·67
902	65 Cygni τ	3·9	...	21	9	57·42	52	28	11·4	2	0·66
903	67 Cygni σ	4·3	...	21	12	39·76	51	6	43·1	2	0·69
904	... ...	9·0	1	21	21	54·46	147	23	54·7	1	0·67
905	71 Cygni g	5·3	...	21	24	58·89	43	59	30·2	1	0·67
906	Radcliffe 5252	7·2	4	21	25	8·30	44	6	11·4	4	0·69
907	22 Aquarii β	3·1	...	21	25	11·364	96	6	8·4	9	0·78
908	8 Piscis Australis ...	5·8	...	21	29	10·06	116	42	35·0	1	0·67
909	73 Cygni ρ	4·2	...	21	29	25·51	44	56	31·1	1	0·67
910	8 Pagasi ϵ	2·4	...	21	38	14·60	80	40	43·3	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*	"	"	"	
876	46 Cygni ω^3	+ 1·8504	+ 0·0004	+ 0·001	− 12·039	− 0·212	+ 0·04	2647
877	4 Delphini ζ	+ 2·8025	− 0·0005	+ 0·001	− 12·184	− 0·320	+ 0·00	2648
878	ϕ^3 Pavonis	+ 4·9819	− 0·0786	+ 0·038	− 12·209	− 0·572	+ 0·49	Stone
879	70 Aquilæ	+ 3·1272	− 0·0053	− 0·000	− 12·237	− 0·357	− 0·00	2649
880	υ Pavonis	+ 5·5866	− 0·1200	+ 0·001	− 12·266	− 0·641	0·00	Stone
881	6 Delphini β... ...	+ 2·8061	− 0·0005	+ 0·006	− 12·338	− 0·318	+ 0·03	2656
882	71 Aquilæ	+ 3·1003	− 0·0049	− 0·000	− 12·352	− 0·351	+ 0·00	2654
883	8 Delphini θ... ...	+ 2·8320	− 0·0007	− 0·002	− 12·417	− 0·320	+ 0·01	2662
884	1 Aquarii	+ 3·0711	− 0·0044	+ 0·005	− 12·431	− 0·347	+ 0·02	2661
885	9 Delphini α... ...	+ 2·7824	− 0·0001	+ 0·003	− 12·486	− 0·313	+ 0·00	2670
886	50 Cygni α (*Deneb*) ...	+ 2·0486	+ 0·0021	− 0·000	− 12·709	− 0·226	− 0·00	2679
887	54 Cygni λ	+ 2·3343	+ 0·0031	− 0·001	− 13·068	− 0·199	− 0·02	2692
888	ι Indi	+ 4·3727	− 0·0512	− 0·002	− 13·072	− 0·478	+ 0·06	Stone
889	3 Cephei η	+ 1·2160	− 0·0112	+ 0·013	− 13·079	− 0·128	− 0·81	2698
890	32 Vulpeculæ ...	+ 2·5558	+ 0·0026	− 0·002	− 13·510	− 0·270	+ 0·00	2709
891	76 Draconis	− 3·9786	− 0·5233	+ 0·014	− 13·630	+ 0·429	− 0·01	2754
892	1 Piscis Australis ...	+ 3·6959	− 0·0235	− 0·004	− 13·795	− 0·385	− 0·03	2714
893	22 Capricorni η ...	+ 3·4263	− 0·0143	− 0·005	− 14·026	− 0·352	+ 0·04	2729
894	η Microscopii ...	+ 3·9248	− 0·0341	− 0·002	− 14·090	− 0·402	+ 0·06	Stone
895	24 Capricorni A ...	+ 3·5229	− 0·0178	− 0·005	− 14·183	− 0·358	+ 0·02	2787
896	62 Cygni ξ	+ 2·1790	+ 0·0042	+ 0·001	− 14·213	− 0·218	+ 0·01	2746
897	25 Capricorni χ ...	+ 3·4454	− 0·0154	− 0·000	− 14·281	− 0·347	+ 0·05	2741
898	63 Cygni f^2	+ 2·0635	+ 0·0037	+ 0·001	− 14·330	− 0·205	+ 0·01	2750
899	64 Cygni ζ	+ 2·5511	+ 0·0038	− 0·002	− 14·654	− 0·248	+ 0·07	2760
900	Radcliffe 5151 ...	+ 1·5302	− 0·0040	...	− 14·709	− 0·145	...	...
901	8 Equulei α	+ 2·9972	− 0·0028	+ 0·002	− 14·773	− 0·290	+ 0·08	2764
902	65 Cygni τ	+ 2·3783	+ 0·0050	+ 0·012	− 14·783	− 0·228	− 0·46	2767
903	67 Cygni σ	+ 2·3531	+ 0·0053	− 0·001	− 14·942	− 0·223	+ 0·01	2769
904	... ...	+ 4·4026	− 0·0723	...	− 15·469	− 0·402	...	...
905	71 Cygni g	+ 2·2055	+ 0·0064	+ 0·002	− 15·639	− 1·195	− 0·10	2799
906	Radcliffe 5252 ..	+ 2·2096	+ 0·0065	...	− 15·648	− 0·195	...	...
907	22 Aquarii β... ...	+ 3·1616	− 0·0071	− 0·001	− 15·650	− 0·282	+ 0·00	2797
908	8 Piscis Australis ...	+ 3·4837	− 0·0197	+ 0·006	− 15·866	− 0·304	+ 0·03	2802
909	73 Cygni ρ	+ 2·2541	+ 0·0071	− 0·003	− 15·880	− 0·194	+ 0·11	2810
910	8 Pegasi ϵ	+ 2·9451	− 0·0005	+ 0·001	− 16·339	− 0·242	− 0·01	2835

Mean Positions of Stars for 1879, *January* 1*st.*

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension. h.	m.	s.	Mean Polar Distance. °	′	″	Observations.	Fraction of Year.
911	78 Cygni μ—2nd	6·1	...	21	38	43·96	61	48	12·5	2	0·71
912	9 Pegasi	4·4	...	21	38	46·99	73	12	14·2	2	0·69
913	10 Pegasi κ	4·2	...	21	39	9·78	64	54	36·6	2	0·67
914	11 Cephei	4·8	...	21	40	8·2544	19	14	43·1	4	0·77
915	o Indi	5·6	4	21	40	31·2217	160	11	29·1	4	0·78
916	81 Cygni π^3	4·4	...	21	42	19·03	41	14	59·4	4	0·76
917	14 Pegasi	5·0	...	21	44	29·38	60	23	17·9	1	0·73
918	16 Pegasi	5·0	...	21	47	33·38	64	38	34·6	7	0·82
919	... ...	10·0	2	21	57	53·63	92	30	50·9	2	0·74
920	34 Aquarii α	3·2	...	21	59	34·1007	90	54	24·3	4	0·82
921	18 Cephei	5·4	...	22	0	15·36	27	28	5·1	2	0·71
922	14 Piscis Austral's μ ...	4·5	...	22	1	19·2419	123	34	39·0	5	0·78
923	24 Pegasi ι	4·0	...	22	1	22·62	65	14	42·3	4	0·72
924	35 Aquarii...	5·8	...	22	2	20·53	109	6	39·4	3	0·77
925	15 Piscis Australis τ ...	5·7	2	22	3	3·28	123	8	29·2	2	0·86
926	27 Pegasi π^1	5·7	...	22	3	51·7790	57	25	5·4	4	0·80
927	26 Pegasi θ	3·8	...	22	4	5·7784	84	23	44·5	1	0·86
928	29 Pegasi π^2	4·4	...	22	4	36·61	57	24	53·2	2	0·76
929	21 Cephei ζ	3·5	...	22	6	39·03	32	23	41·1	4	0·73
930	μ^1 Gruis	5·1	3	22	8	19·17	131	56	52·4	4	0·73
931	Radcliffe 5612	5·1	1	22	8	41·08	50	53	3·1	2	0·84
932	μ^2 Gruis	5·6	1	22	9	9·87	132	13	40·7	1	0·86
933	43 Aquarii θ	4·3	...	22	10	26·81	98	23	5·2	6	0·82
934	1 Lacertæ...	4·1	...	22	10	41·6416	52	51	10·5	4	0·79
935	23 Cephei ϵ	4·2	...	22	10	34·9857	33	33	31·7	1	0·75
936	46 Aquarii ρ	5·4	...	22	13	49·74	98	25	39·7	4	0·77
937	30 Pegasi	5·2	...	22	14	22·14	84	49	1·4	4	0·73
938	47 Aquarii	5·4	...	22	14	55·87	112	12	11·8	2	0·85
939	31 Pegasi	5·1	...	22	15	33·68	78	24	11·3	5	0·79
940	2 Lacertæ...	4·8	...	22	16	1·50	44	4	17·7	1	0·84
941	δ Tucanæ	4·8	...	22	18	42·39	155	34	54·2	1	0·86
942	3 Lacertæ β	4·5	...	22	18	47·83	38	22	35·3	4	0·76
943	52 Aquarii π	4·6	...	22	19	5·87	89	14	6·8	5	0·82
944	4 Lacertæ	4·6	...	22	19	36·55	41	8	9·1	2	0·74
945	R. P. L. 150	5·5	...	22	22	41·60	4	30	8·3	10	0·33

919.—Comparison star for Encke's comet in 1862.

945.—Groombridge 3826.

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	"	"	"	
911	78 Cygni μ—2nd ...	+ 2·6579	+ 0·0055	+ 0·017	− 16·364	− 0·217	+ 0·25	2840
912	9 Pegasi	+ 2·8391	+ 0·0021	+ 0·002	− 16·366	− 0·233	+ 0·00	2837
913	10 Pegasi κ	+ 2·7114	+ 0·0047	0·000	− 16·386	− 0·221	− 0·01	2848
914	11 Cephei	+ 0·8779	− 0·0333	+ 0·021	− 16·435	− 0·066	− 0·08	2856
915	o Indi	+ 5·1943	− 0·1671	...	− 16·453	− 0·427	...	...
916	81 Cygni π^2	+ 2·2106	+ 0·0086	+ 0·001	− 16·543	− 0·175	+ 0·02	2855
917	14 Pegasi	+ 2·6487	+ 0·0062	+ 0·001	− 16·649	− 0·209	+ 0·03	2859
918	16 Pegasi	+ 2·7262	+ 0·0052	− 0·001	− 16·797	− 0·210	+ 0·00	2864
919	... ...	+ 3·1021	− 0·0050	...	− 17·275	− 0·233	...	...
920	34 Aquarii α... ...	+ 3·0829	− 0·0041	− 0·001	− 17·349	− 0·219	− 0·00	2890
921	18 Cephei	+ 1·7890	+ 0·0050	+ 0·001	− 17·379	− 0·128	− 0·02	2906
922	14 Piscis Austr. μ ...	+ 3·5116	− 0·0261	...	− 17·425	− 0·247	...	...
923	24 Pegasi ι	+ 2·7672	+ 0·0060	+ 0·021	− 17·428	− 0·193	− 0·02	2899
924	35 Aquarii	+ 3·2997	− 0·0142	− 0·002	− 17·469	− 0·232	− 0·00	2898
925	15 Piscis Austr. τ ...	+ 3·4986	− 0·0256	...	− 17·500	− 0·242	...	...
926	27 Pegasi π^1... ...	+ 2·6577	+ 0·0087	− 0·005	− 17·534	− 0·180	+ 0·06	2915
927	26 Pegasi θ	+ 3·0088	− 0·0012	+ 0·018	− 17·543	− 0·205	− 0·04	2914
928	29 Pegasi π^2... ...	+ 2·6600	+ 0·0089	− 0·002	− 17·566	− 0·179	+ 0·01	2917
929	21 Cephei ζ	+ 2·0721	+ 0·0113	− 0·002	− 17·651	− 0·136	+ 0·01	2925
930	μ^1 Gruis	+ 3·6349	− 0·0361	− 0·001	− 17·720	− 0·241	− 0·03	Stone
931	Radcliffe 5612 ...	+ 2·5648	+ 0·0111	...	− 17·735	− 0·167	...	...
932	μ^2 Gruis	+ 3·6365	− 0·0365	− 0·005	− 17·754	− 0·240	+ 0·11	Stone
933	43 Aquarii θ	+ 3·1629	− 0·0075	+ 0·006	− 17·806	− 0·205	+ 0·02	2929
934	1 Lacertæ	+ 2·6073	+ 0·0108	− 0·000	− 17·816	− 0·167	− 0·01	2933
935	23 Cephei ϵ	+ 2·1403	+ 0·0128	+ 0·054	− 17·809	− 0·136	− 0·03	2937
936	46 Aquarii ρ	+ 3·1608	− 0·0075	− 0·001	− 17·941	− 0·198	− 0·01	2939
937	30 Pegasi	+ 3·0184	− 0·0009	− 0·001	− 17·962	− 0·188	+ 0·01	2941
938	47 Aquarii	+ 3·3138	− 0·0160	− 0·003	− 17·988	− 0·206	+ 0·07	2940
939	31 Pegasi	+ 2·9516	+ 0·0019	− 0·001	− 18·007	− 0·182	− 0·01	2944
940	2 Lacertæ	+ 2·4061	+ 0·0138	− 0·001	− 18·019	− 0·150	+ 0·02	2948
941	δ Tucanæ	+ 4·3318	− 0·1121	+ 0·006	− 18·126	− 0·263	− 0·03	Stone
942	3 Lacertæ β	+ 2·3508	+ 0·0152	− 0·004	− 18·131	− 0·139	+ 0·20	2956
943	52 Aquarii π ...	+ 3·0647	− 0·0028	− 0·001	− 18·141	− 0·188	+ 0·00	2952
944	4 Lacertæ	+ 2·4231	+ 0·0151	− 0·003	− 18·161	− 0·142	+ 0·03	2958
945	R. P. L. 150	− 3·9216	− 1·2280	+ 0·052	− 18·273	+ 0·244	− 0·04	2993

Mean Positions of Stars for 1879, *January* 1st.

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension. h.	m.	s.	Mean Polar Distance. °	′	″	Observations.	Fraction of Year.
946	R P. L. 151	6·9	...	22	23	8·36	4	23	18·1	1	0·25
947	5 Lacertæ	4·6	...	22	24	29·08	42	54	42·6	5	0·75
948	ν Tucanæ	5·1	3	22	24	48·21	152	36	11·5	5	0·78
949	7 Lacertæ α	3·9	...	22	26	18·12	40	20	19·4	3	0·85
950	B. F. 3091	5·7	3	22	28	56·84	114	36	55·9	3	0·73
951	62 Aquarii η	4·2	...	22	29	8·26	90	44	24·7	4	0·82
952	31 Cephei	5·3	...	22	32	46·42	16	58	55·3	3	0·85
953	30 Cephei	5·2	...	22	34	21·93	27	2	36·6	2	0·73
954	42 Pegasi ζ	3·6	...	22	35	25·57	79	47	58·1	6	0·82
955	43 Pegasi ο	4·9	...	22	36	4·37	61	19	23·7	3	0·74
956	ρ Gruis	5·6	2	22	36	28·64	132	2	39·9	2	0·89
957	η Gruis	5·0	1	22	38	11·67	144	8	9·9	1	0·82
958	46 Pegasi ξ	4·2	...	22	40	38·83	78	26	49·8	4	0·78
959	47 Pegasi λ	4·2	...	22	40	42·10	67	4	9·2	4	0·74
960	48 Pegasi μ	3·7	...	22	44	9·69	66	2	12·7	5	0·78
961	Radcliffe 5847	5·3	2	22	44	46·55	34	44	17·7	3	0·85
962	32 Cephei ι	3·6	...	22	45	22·64	24	26	7·7	2	0·88
963	22 Piscis Australis γ ...	4·3	...	22	45	47·84	123	31	0·1	5	0·79
964	ρ Indi	5·6	2	22	46	13·04	160	43	13·0	2	0·89
965	Radcliffe 5864	5·6	3	22	46	39·00	28	56	46·1	3	0·74
966	23 Piscis Australis δ ...	4·4	...	22	49	14·32	123	11	8·3	3	0·76
967	24 Pis. Aus. α (*Fomalhaut*) ...	1·3	...	22	50	57·71	120	15	47·6	2	0·86
968	ζ Gruis	5·1	3	22	53	43·51	143	24	8·3	3	0·74
969	π Piscis Australis... ...	5·3	...	22	56	47·90	125	24	11·1	3	0·77
970	54 Pegasi α (*Markab*) ...	2·6	...	22	58	43·98	75	26	43·8	7	0·83
971	Radcliffe 5944	5·1	3	22	58	56·88	23	26	32·9	3	0·76
972	θ Gruis	4·2	...	23	0	3·46	134	10	22·4	4	0·78
973	86 Aquarii c^1	4·8	...	23	0	10·85	114	23	45·6	2	0·88
974	55 Pegasi	4·6	...	23	0	54·60	81	14	35·4	5	0·83
975	89 Aquarii c^3	4·9	...	23	3	27·28	113	6	45·9	4	0·85
976	ι Gruis	5·0	2	23	3	30·61	135	54	5·6	2	0·89
977	7 Andromedæ	4·7	...	23	7	0·20	41	15	14·8	3	0·84
978	Lacaille 9412	5·2	4	23	9	40·67	152	39	39·0	4	0·87
979	γ Tucanæ	4·5	1	23	10	21·58	148	53	56·1	1	0·74
980	92 Aquarii χ	5·2	...	23	10	34·52	98	23	8·6	3	0·76

946.—Groombridge 3824.

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	"	"	"	
946	R. P. L. 151	− 4·0731	− 1·2961	+ 0·025	− 18·290	+ 0·252	− 0·01	2997
947	5 Lacertæ	+ 2·4902	+ 0·0156	− 0·003	− 18·338	− 0·139	+ 0·03	2970
948	ν Tucanæ	+ 4·1132	− 0·0920	...	− 18·349	− 0·235	...	...
949	7 Lacertæ α	+ 2·4466	+ 0·0166	+ 0·013	− 18·401	− 0·134	− 0·01	2975
950	B. F. 3091	+ 3·3093	− 0·0174	...	− 18·492	− 0·179	...	...
951	62 Aquarii η	+ 3·0790	− 0·0031	+ 0·006	− 18·499	− 0·166	+ 0·11	2979
952	31 Cephei	+ 1·4465	− 0·0072	+ 0·042	− 18·620	− 0·070	− 0·02	2994
953	30 Cephei	+ 2·1163	+ 0·0184	− 0·003	− 18·670	− 0·105	+ 0·04	2996
954	42 Pegasi ζ	+ 2·9855	+ 0·0023	+ 0·004	− 18·704	− 0·149	+ 0·02	2992
955	43 Pegasi o	+ 2·8105	+ 0·0103	− 0·001	− 18·724	− 0·139	+ 0·03	2999
956	ρ Gruis	+ 3·5020	− 0·0349	...	− 18·737	− 0·175	...	...
957	η Gruis	+ 3·7184	− 0·0577	− 0·004	− 18·790	− 0·182	0·00	Stone
958	46 Pegasi ξ	+ 2·9799	+ 0·0081	+ 0·013	− 18·865	− 0·140	+ 0·48	3008
959	47 Pegasi λ	+ 2·8805	+ 0·0082	+ 0·003	− 18·866	− 0·135	+ 0·00	3010
960	48 Pegasi μ	+ 2·8793	+ 0·0090	+ 0·010	− 18·966	− 0·129	+ 0·04	3016
961	Radcliffe 5847 ...	+ 2·4505	+ 0·0225	...	− 18·984	− 0·107	...	...
962	32 Cephei ι	+ 2·1311	+ 0·0225	− 0·014	− 19·001	− 0·092	+ 0·14	3022
963	46 Piscis Australis γ	+ 3·3540	− 0·0243	− 0·006	− 19·012	− 0·148	+ 0·03	3017
964	ρ Indi...	+ 4·2815	− 0·1476	...	− 19·024	− 0·190	...	...
965	Radcliffe 5864 ...	+ 2·3119	+ 0·0241	...	− 19·036	− 0·098	...	...
966	23 Piscis Australis δ	+ 3·3380	− 0·0238	− 0·001	− 19·106	− 0·140	− 0·09	3029
967	24 Piscis Australis α	+ 3·3036	− 0·0210	+ 0·023	− 19·151	− 0·135	+ 0·16	3032
968	ζ Gruis	+ 3·5857	− 0·0533	− 0·011	− 19·222	− 0·142	0·00	Stone
969	π Piscis Australis ...	+ 3·3310	− 0·0255	...	− 19·296	− 0·125	...	...
970	54 Pegasi α	+ 2·9806	+ 0·0056	+ 0·003	− 19·341	− 0·107	+ 0·03	3050
971	Radcliffe 5944 ...	+ 2·2606	+ 0·0301	...	− 19·347	− 0·079	...	...
972	θ Gruis	+ 3·4082	− 0·0356	− 0·003	− 19·373	− 0·121	+ 0·11	Stone
973	86 Aquarii c^1 ...	+ 3·2288	− 0·0159	+ 0·004	− 19·374	− 0·114	− 0·00	3053
974	55 Pegasi	+ 3·0197	+ 0·0030	− 0·001	− 19·391	− 0·105	+ 0·01	3056
975	89 Aquarii c^2... ...	+ 3·2116	− 0·0147	− 0·005	− 19·446	− 0·107	+ 0·01	3065
976	ι Gruis	+ 3·4090	− 0·0378	+ 0·007	− 19·448	− 0·114	+ 0·02	Stone
977	7 Andromedæ ...	+ 2·7230	+ 0·0247	+ 0·009	− 19·520	− 0·083	− 0·09	3075
978	Lacaille 9412 ...	+ 3·6356	− 0·0783	+ 0·017	− 19·572	− 0·103	+ 0·04	Stone
979	γ Tucanæ	+ 3·5485	− 0·0645	− 0·012	− 19·585	− 0·104	− 0·04	Stone
980	92 Aquarii χ... ...	+ 3·1145	− 0·0054	− 0·003	− 19·590	− 0·090	+ 0·00	3081

Mean Positions of Stars for 1879, *January* 1*st.*

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension. h.	m.	s.	Mean Polar Distance. °	′	″	Observations.	Fraction of Year.
981	6 Piscium γ	3·8	...	23	10	53·45	87	22	42·3	5	0·87
982	8 Andromedæ	4·9	...	23	12	7·81	41	38	42·0	3	0·88
983	γ Sculptoris	4·6	...	23	12	17·26	123	11	27·7	4	0·86
984	62 Pegasi τ	4·7	...	23	14	38·93	66	55	17·7	4	0·77
985	98 Aquarii b^1	4·1	...	23	16	36·98	110	45	37·5	3	0·77
986	68 Pegasi υ	4·6	...	23	19	20·16	67	15	42·1	3	0·89
987	4 Cassiopeiæ	5·2	...	23	19	27·69	28	22	50·8	4	0·86
988	99 Aquarii b^2	4·4	...	23	19	41·28	111	18	17·9	3	0·82
989	8 Piscium κ	5·0	...	23	20	43·73	89	24	22·0	3	0·88
990	Radcliffe 6084	5·0	1	23	22	9·64	20	18	19·4	1	0·91
991	W. B. E. XXIII. 423 ...	9·5	2	23	22	35·93	100	45	59·6	2	0·80
992	70 Pegasi q	4·6	...	23	23	2·13	77	54	20·9	4	0·82
993	Radcliffe 6092	5·2	3	23	24	26·58	32	7	4·1	3	0·84
994	β Sculptoris	5·0	3	23	26	28·81	128	29	12·7	3	0·79
995	101 Aquarii b^4	4·7	...	23	26	56·68	111	34	56·9	4	0·88
996	R. P. L. 158	5·7	...	23	27	50·38 49·73	3	21	37·3	4	0·45
997	ι Phœnicis...	5·2	3	23	28	34·06 8·77	133	17	0·8	4	0·85
998	... ...	8·1	3	23	29	45·16	138	8	5·9	3	0·91
999	16 Andromedæ λ ...	4·0	...	23	31	38·36	44	11	48·9	2	0·87
1000	17 Andromedæ ι	4·3	...	23	32	12·06	47	24	6·0	2	0·90
1001	θ Phœnicis—2nd ...	5·0	1	23	32	58·12 7·99	137	18	32·9	1	0·89
1002	... ...	6·3	3	23	33	29·74	137	59	46·1	3	0·91
1003	17 Piscium ι	4·3	...	23	33	43·69	85	1	44·9	4	0·84
1004	19 Andromedæ κ ...	4·4	...	23	34	26·84	46	20	7·5	1	0·84
1005	103 Aquarii A^1	5·7	...	23	35	17·95	108	41	43·6	4	0·81
1006	104 Aquarii A^3	4·8	...	23	35	28·84	108	29	12·7	4	0·86
1007	105 Aquarii ω^3	4·7	...	23	36	26·59	105	12	49·2	3	0·89
1008	78 Pegasi	4·9	...	23	37	54·21	61	18	29·2	3	0·87
1009	106 Aquarii i^1	5·3	...	23	37	55·38	108	56	53·4	2	0·83
1010	20 Andromedæ ψ... ...	5·0	...	23	40	2·15	44	15	4·3	4	0·83
1011	5 Cassiopeiæ τ	5·2	...	23	41	8·40	32	1	18·7	4	0·86
1012	Radcliffe 6184	5·1	3	23	42	7·76	22	51	54·5	4	0·88
1013	δ Sculptoris	4·6	...	23	42	37·24	118	47	57·8	6	0·86
1014	Radcliffe 6215	5·3	2	23	48	57·26	16	15	45·6	2	0·84
1015	η Tucanæ	5·0	2	23	51	13·46	154	59	11·3	2	0·82

991.—Comparison star for Mars in 1877.

996.—Groombridge 4101.

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	"	"	"	
981	6 Piscium γ	+ 3·0592	+ 0·0005	+ 0·049	− 19·595	− 0·087	− 0·02	3082
982	8 Andromedæ ...	+ 2·7606	+ 0·0255	+ 0·002	− 19·618	− 0·045	+ 0·01	3089
983	γ Sculptoris	+ 3·2530	− 0·0223	0·000	− 19·621	− 0·091	+ 0·07	Stone
984	62 Pegasi τ	+ 2·9603	+ 0·0109	+ 0·001	− 19·662	− 0·077	+ 0·01	3096
985	98 Aquarii b^1 ...	+ 3·1676	− 0·0124	− 0·009	− 19·695	− 0·079	+ 0·09	3105
986	68 Pegasi υ	+ 2·9733	+ 0·0111	+ 0·011	− 19·738	− 0·069	− 0·04	3114
987	4 Cassiopeiæ ...	+ 2·6370	+ 0·0388	+ 0·001	− 19·741	− 0·060	+ 0·02	3115
988	99 Aquarii b^2 ...	+ 3·1635	− 0·0125	− 0·005	− 19·743	− 0·073	+ 0·05	3113
989	8 Piscium κ	+ 3·0699	0·0000	+ 0·004	− 19·761	− 0·069	+ 0·10	3116
990	Radcliffe 6084 ...	+ 2·4784	+ 0·0489	...	− 19·782	− 0·052	...	...
991	W. B. E. XXIII. 423.	+ 3·1136	− 0·0060	...	− 19·788	− 0·066	...	...
992	70 Pegasi q	+ 3·0262	+ 0·0059	+ 0·001	− 19·794	− 0·063	− 0·03	3122
993	Radcliffe 6092 ...	+ 2·7432	+ 0·0369	...	− 19·813	− 0·053	...	...
994	β Sculptoris	+ 3·2272	− 0·0260	+ 0·004	− 19·840	− 0·060	− 0·02	Stone
995	101 Aquarii b^4 ...	+ 3·1483	− 0·0122	− 0·004	− 19·846	− 0·057	− 0·01	3130
996	R. P. L. 158	− 0·1133	− 0·5392	+ 0·084	− 19·856	+ 0·011	− 0·00	3147
997	ι Phœnicis	+ 3·2445	− 0·0310	− 0·001	− 19·865	− 0·056	− 0·03	Stone
998	... ...	+ 3·2686	− 0·0372	...	− 19·879	− 0·054	...	...
999	16 Andromedæ λ ...	+ 2·9025	+ 0·0265	+ 0·016	− 19·901	− 0·044	+ 0·43	3143
1000	17 Andromedæ ι ...	+ 2·9236	+ 0·0250	+ 0·001	− 19·907	− 0·043	+ 0·01	3144
1001	θ Phœnicis—2nd ...	+ 3·2429	− 0·0354	− 0·017	− 19·915	− 0·047	0·00	Stone
1002	... ...	+ 3·2435	− 0·0364	...	− 19·920	− 0·046	...	...
1003	17 Piscium ι	+ 3·0589	+ 0·0030	+ 0·023	− 19·928	− 0·042	+ 0·44	3148
1004	19 Andromedæ κ ...	+ 2·9303	+ 0·0262	+ 0·007	− 19·930	− 0·042	+ 0·02	3149
1005	103 Aquarii A^1 ...	+ 3·1209	− 0·0099	− 0·004	− 19·938	− 0·040	+ 0·08	3150
1006	104 Aquarii A^2 ...	+ 3·1200	− 0·0097	+ 0·001	− 19·940	− 0·040	− 0·02	3151
1007	105 Aquarii ω^2 ...	+ 3·1096	− 0·0077	+ 0·005	− 19·949	− 0·038	+ 0·06	3154
1008	78 Pegasi	+ 3·0018	+ 0·0162	+ 0·005	− 19·961	− 0·034	+ 0·03	3160
1009	106 Aquarii i^1 ...	+ 3·1164	− 0·0099	+ 0·001	− 19·961	− 0·035	+ 0·01	3159
1010	20 Andromedæ ψ ...	+ 2·9530	+ 0·0290	+ 0·001	− 19·978	− 0·029	+ 0·02	3163
1011	5 Cassiopeiæ τ ...	+ 2·8965	+ 0·0430	+ 0·007	− 19·986	− 0·026	− 0·05	3164
1012	Radcliffe 6184 ...	+ 2·8254	+ 0·0602	− 0·004	− 19·993	− 0·023	+ 0·01	3166
1013	δ Sculptoris	+ 3·1280	− 0·0161	+ 0·009	− 19·996	− 0·026	+ 0·10	Stone
1014	Radcliffe 6215 ...	+ 2·8518	+ 0·0886	...	− 20·031	− 0·011	...	...
1015	η Tucanæ ...	+ 3·1819	− 0·0672	+ 0·015	− 20·039	− 0·009	+ 0·02	Stone

Mean Positions of Stars for 1879, *January* 1*st.*

	Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension.			Mean Polar Distance.			Observations.	Fraction of Year.
					h.	*m.*	*s.*	°	′	″		
28·78	1016	27 Piscium	5·0	...	23	52	28·79	94	13	37·9	3	0·84
24·20	1017	π Phœnicis	5·6	3	23	52	39·15	143	25	15·7	3	0·90
5·79	1018	28 Piscium ω	4·2	...	23	53	5·81	83	48	22·0	5	0·88
37·07	1019	ε Tucanæ	5·0	4	23	53	37·45·07	156	15	0·2	4	0·90
26·84	1020	Radcliffe 6265	5·2	1	23	55	26·84	29	27	3·0	1	0·84
7·68	1021	ζ Sculptoris	5·0	...	23	56	7·75·68	120	23	39·8	3	0·87
51·17	1022	Radcliffe 6297	5·1	3	23	58	51·00·17	29	21	35·1	4	0·87

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	"	"	"	
1016	27 Piscium ...	+ 3·0755	− 0·0007	− 0·002	− 20·043	− 0·006	+ 0·01	3180
1017	π Phœnicis	+ 3·1300	− 0·0403	...	− 20·044	− 0·006	...	...
1018	28 Piscium ω ...	+ 3·0679	+ 0·0047	+ 0·009	− 20·045	− 0·005	+ 0·11	3191
1019	ε Tucanæ	+ 3·1569	− 0·0703	+ 0·003	− 20·046	− 0·004	− 0·03	Stone
1020	Radcliffe 6265 ...	+ 3·0252	+ 0·0528	...	− 20·050	0·000	...	...
1021	ζ Sculptoris	+ 3·0856	− 0·0160	...	− 20·051	+ 0·001	...	...
1022	Radcliffe 6297 ...	+ 3·0605	+ 0·0544	...	− 20·054	+ 0·006	...	...