
MEAN POSITIONS OF STARS

OBSERVED WITH THE

MADRAS MERIDIAN CIRCLE

IN THE YEAR

1887

REDUCED TO JANUARY 1 OF THAT YEAR

Mean Positions of Stars for 1887, January 1st.

Number.	Star.	Magnitude.	Estimations.	Mean Right Ascension.			Mean Polar Distance.			Observations.	Fraction of Year.
				h.	m.	s.	°	'	"		
1	21 Androm. α (<i>Alpherat</i>) ..	2.1	...	0	2	32.82	61	32	1.0	4	0.88
2	8 Ceti ϵ	3.6	...	0	13	40.11	99	27	0.3	3	0.88
3	63 Piscium δ	4.6	...	0	42	49.12	88	1	47.1	2	0.89
4	43 Arietis σ	5.5	...	2	45	15.27	75	23	1.6	2	0.02
5	1 Tauri σ , Var. 5	Var.	...	3	18	43.95	81	22	9.8	4	0.04
6	18 Eridani ϵ	3.7	...	3	27	36.37	99	50	28.9	3	0.04
7	37 Tauri A ¹	4.4	...	3	58	0.86	68	13	39.8	1	0.04
8	54 Tauri γ	3.9	...	4	13	21.73	74	38	45.9	6	0.05
9	57 Eridani μ	4.3	...	4	39	51.16	98	27	45.0	3	0.06
10	R. P. L. 37	6.8	...	4	51	50.18	4	11	29.7	2	0.04
11	19 Orionis β (<i>Rigel</i>) ...	0.3	...	5	9	6.44	98	19	57.3	1	0.13
12	R. P. L. 40	6.2	...	5	25	50.77	4	51	46.7	1	0.13
13	34 Orionis δ , Var. 1 ...	Var.	...	5	26	14.08	90	22	59.1	1	0.14
14	11 Leporis α	2.7	...	5	27	44.79	107	54	12.7	2	0.07
15	46 Orionis ϵ	1.8	...	5	30	28.74	91	16	27.8	1	0.14
16	53 Orionis κ	2.2	...	5	42	23.76	99	42	35.9	3	0.14
17	31 Geminorum ξ	3.4	...	6	38	56.37	76	59	0.3	3	0.15
18	9 Canis Maj. α (<i>Sirius</i>) ...	1.4	...	6	40	10.02	106	33	41.5	1	0.16
19	51 Cephei (<i>Hev.</i>)	5.3	...	6	47	16.51	2	46	44.2	3	0.19
20	14 Canis Majoris θ	4.2	...	6	48	56.42	101	53	51.1	1	0.16
21	W. B. E. VII. 467	9.5	5	7	17	30.14	81	12	17.2	5	0.15
22	3 Canis Minoris β	3.1	...	7	21	1.37	81	29	0.5	4	0.18
23	ξ Argus	3.4	...	7	44	32.47	114	34	35.8	1	0.17
24	17 Cancri β	3.8	...	8	10	23.15	80	27	58.3	1	0.27
25	43 Cancri γ	4.8	...	8	36	44.78	68	7	33.0	2	0.26
26	65 Cancri α	4.3	...	8	52	18.38	77	42	18.2	1	0.27
27	14 Leonis σ	3.8	...	9	35	7.10	79	36	40.4	1	0.32
28	24 Leonis μ	4.1	...	9	46	20.13	63	27	38.8	2	0.32
29	R. P. L. 72	5.9	...	10	13	5.88	5	10	29.8	2	0.54
30	42 Hydræ μ	4.1	...	10	20	37.48	106	15	34.6	3	0.33
31	58 Leonis d	5.0	...	10	54	43.48	85	46	32.6	6	0.34
32	84 Leonis r	5.1	...	11	23	7.56	86	31	16.5	2	0.34
33	8 Virginis π	4.4	...	11	55	4.96	82	45	18.8	4	0.40
34	R. P. L. 92	6.7	...	12	13	31.41	2	56	12.0	4	0.63
35	7 Corvi δ^2	3.1	...	12	24	1.15	105	58	8.9	6	0.39

Observed with the Madras Meridian Circle in that Year.

Number.	Star.	In Right Ascension.			In Polar Distance.			Authority.
		Annual Precession.	Secular Variation.	Proper Motion.	Annual Precession.	Secular Variation.	Proper Motion.	
1	21 Andromedæ α ...	+ 3.0805	+ 0.0182	+ 0.010	- 20.053	+ 0.013	+ 0.16	3215
2	8 Ceti ϵ ...	+ 3.0592	- 0.0023	- 0.003	- 20.018	+ 0.084	+ 0.03	14
3	63 Piscium δ ...	+ 3.1027	+ 0.0079	+ 0.004	- 19.795	+ 0.091	+ 0.04	85
4	43 Arietis σ ...	+ 3.3026	+ 0.0150	- 0.000	- 15.002	+ 0.323	+ 0.04	400
5	1 Tauri σ ...	+ 3.2272	+ 0.0115	- 0.005	- 12.974	+ 0.364	+ 0.07	477
6	18 Eridani ϵ ...	+ 2.8900	+ 0.0055	- 0.068	- 12.373	+ 0.336	- 0.01	493
7	37 Tauri A' ...	+ 3.5325	+ 0.0153	+ 0.005	- 10.178	+ 0.447	+ 0.06	554
8	54 Tauri γ ...	+ 3.4005	+ 0.0115	+ 0.007	- 8.998	+ 0.446	+ 0.03	583
9	57 Eridani μ ...	+ 2.9965	+ 0.0055	- 0.000	- 6.871	+ 0.413	+ 0.00	657
10	R. P. L. 37 ...	+ 20.5128	+ 1.4734	...	- 5.877	+ 2.863	...	...
11	19 Orionis β ...	+ 2.8814	+ 0.0040	- 0.001	- 4.417	+ 0.412	- 0.01	736
12	R. P. L. 40 ...	+ 18.6117	+ 0.5766	...	- 2.977	+ 2.686	...	...
13	34 Orionis δ ...	+ 3.0636	+ 0.0038	- 0.001	- 2.944	+ 0.443	+ 0.01	787
14	11 Leporis α ...	+ 2.6447	+ 0.0029	- 0.001	- 2.813	+ 0.383	- 0.01	796
15	46 Orionis ϵ ...	+ 3.0429	+ 0.0035	- 0.002	- 2.576	+ 0.441	- 0.01	809
16	53 Orionis κ ...	+ 2.8442	+ 0.0027	- 0.002	- 1.539	+ 0.414	- 0.00	844
17	31 Geminorum ξ ...	+ 3.3771	- 0.0017	- 0.000	+ 3.392	+ 0.485	+ 0.20	989
18	9 Canis Majoris α ...	+ 2.6810	+ 0.0010	- 0.037	+ 3.497	+ 0.384	+ 1.20	994
19	51 Cephei (Hev.) ...	+ 30.0318	- 2.3507	- 0.040	+ 4.107	+ 4.286	+ 0.05	Gr.
20	14 Canis Majoris θ ...	+ 2.7971	+ 0.0004	- 0.011	+ 4.251	+ 0.397	+ 0.00	1011
21	W. B. E. VII. 467 ...	+ 3.2675	- 0.0038	...	+ 6.653	+ 0.447	...	...
22	3 Canis Minoris β ...	+ 3.2603	- 0.0041	- 0.004	+ 6.942	+ 0.444	+ 0.03	1079
23	ξ Argus ...	+ 2.5235	+ 0.0008	- 0.001	+ 8.833	+ 0.327	- 0.02	1132
24	17 Cancri β ...	+ 3.2615	- 0.0072	- 0.004	+ 10.804	+ 0.397	+ 0.04	1180
25	43 Cancri γ ...	+ 3.4884	- 0.0143	- 0.009	+ 12.671	+ 0.390	+ 0.03	1230
26	65 Cancri α ...	+ 3.2352	- 0.0098	+ 0.001	+ 13.695	+ 0.345	+ 0.02	1269
27	14 Leonis σ ...	+ 3.2175	- 0.0093	- 0.010	+ 16.178	+ 0.272	+ 0.02	1360
28	24 Leonis μ ...	+ 3.4401	- 0.0198	- 0.019	+ 16.738	+ 0.271	+ 0.05	1384
29	R. P. L. 72 ...	+ 9.7109	- 1.5738	- 0.006	+ 17.911	+ 0.629	- 0.04	1399
30	42 Hydræ μ ...	+ 2.9086	+ 0.0040	- 0.010	+ 18.199	+ 0.171	+ 0.06	1451
31	58 Leonis d ...	+ 3.1001	- 0.0039	- 0.002	+ 19.245	+ 0.120	+ 0.01	1526
32	84 Leonis τ ...	+ 3.0859	- 0.0020	- 0.001	+ 19.780	+ 0.066	+ 0.01	1570
33	8 Virginis π ...	+ 3.0760	- 0.0022	- 0.003	+ 20.048	+ 0.002	+ 0.02	1618
34	R. P. L. 92 ...	+ 1.5355	+ 0.0036	+ 0.285	+ 20.019	- 0.022	+ 0.02	1656
35	7 Corvi δ^3 ...	+ 3.1121	+ 0.0118	- 0.014	+ 19.943	- 0.055	+ 0.15	1675

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36	29 Virginis γ^1 ...	+ 3.0754	+ 0.0043	- 0.039	+ 19.808	- 0.078	- 0.02	1698
37	43 Virginis δ ...	+ 3.0522	+ 0.0025	- 0.034	+ 19.580	- 0.103	+ 0.05	1723
38	47 Virginis ϵ ...	+ 3.0056	- 0.0007	- 0.019	+ 19.447	- 0.114	- 0.03	1735
39	4 Bootis τ ...	+ 2.8854	- 0.0007	- 0.035	+ 18.104	- 0.188	- 0.04	1810
40	93 Virginis τ ...	+ 3.0488	+ 0.0064	- 0.001	+ 17.543	- 0.222	+ 0.03	1829
41	22 Bootis f ...	+ 2.7953	+ 0.0009	- 0.006	+ 16.366	- 0.242	- 0.03	1854
42	B. P. L. 110 ...	- 11.4956	+ 2.9735	...	+ 14.661	+ 1.198	...	...
43	37 Serpentis ϵ ..	+ 2.9787	+ 0.0066	+ 0.007	+ 11.128	- 0.365	- 0.06	2005
44	20 Herculis γ ...	+ 2.6480	+ 0.0038	- 0.005	+ 8.718	- 0.351	- 0.05	2084
45	13 Ophiuchi ζ ...	+ 3.2380	+ 0.0087	- 0.001	+ 7.599	- 0.447	- 0.04	2109
46	35 Ophiuchi η ...	+ 3.4342	+ 0.0073	+ 0.000	+ 4.861	- 0.487	- 0.10	2171
47	42 Ophiuchi θ ...	+ 3.6807	+ 0.0080	- 0.002	+ 3.907	- 0.528	+ 0.04	2189
48	49 Ophiuchi σ ...	+ 2.9747	+ 0.0037	- 0.002	+ 3.404	- 0.428	- 0.02	2206
49	23 Ursæ Minoris δ ...	- 19.4802	- 0.2530	+ 0.026	- 0.767	+ 2.841	- 0.04	2395
50	λ Ursæ Minoris ...	- 64.1043	- 28.7964	- 0.050	- 8.210	+ 8.533	+ 0.01	2795
51	53 Aquilæ α ...	+ 2.8918	- 0.0014	+ 0.035	- 8.890	- 0.374	- 0.38	2524
52	65 Aquilæ θ ...	+ 3.0955	- 0.0042	- 0.000	- 10.438	- 0.382	- 0.01	2576
53	2 Delphini ϵ ...	+ 2.8663	- 0.0013	- 0.001	- 12.056	- 0.330	+ 0.02	2642
54	2 Aquarii ϵ ...	+ 3.2503	- 0.0084	- 0.000	- 12.994	- 0.356	+ 0.03	2681
55	61 Cygni—1st ...	+ 2.3347	+ 0.0044	+ 0.344	- 14.288	- 0.233	- 3.23	2744
56	48 Aquarii γ ...	+ 3.0925	- 0.0042	+ 0.007	- 18.017	- 0.191	- 0.02	2943
57	73 Aquarii λ ...	+ 3.1328	- 0.0063	- 0.002	- 19.036	- 0.137	- 0.04	3019
58	B. P. L. 155 ...	+ 0.2534	- 0.3341	...	- 19.811	+ 0.003	...	...