MEAN PLACES OF STARS, J 2024.5

FOR JULY 2^{d}.125 TERRESTRIAL TIME

(The Annual Variations are for the middle of the year)

Cat. No. FK5	BS =HR No.	Star	Mag.	Spec-tral Type	Right Ascension			Annual Variation	Annual Proper motion	Declination			Annual Variation	Annual Proper motion
					h	m	s	s	s (0.0001)	°	'	"	"	" (0.001)
1	15	α Andromedae*	2.06	B9p Hg Mn	0	09	39.6	3.117	+104	+29	13	32.23	+19.86	-163
2	21	β Cassiopeiae*	2.27	F2 III	0	10	30.1	3.247	+685	+59	17	05.32	19.84	-181
3	25	ε Phoenicis	3.88	K0 III	0	10	38.8	3.024	+118	-45	36	44.67	19.84	-181
7	39	γ Pegasi*	2.83	B2 IV	0	14	30.0	3.099	+2	+15	19	10.64	19.99	-12
9	74	ι Ceti	3.56	K1 IIIb	0	20	40.6	3.056	-9	-8	41	17.87	19.92	-36
11	98	β Hydri	2.80	G1 IV	0	27	00.2	3.051	+6622	-77	06	59.69	20.23	+324
12	99	α Phoenicis	2.39	K0 III b	0	27	29.3	2.949	+183	-42	10	23.85	+19.50	-396
17	153	ζ Cassiopeiae	3.66	B2 IV	0	38	21.0	3.384	+22	+54	01	53.11	19.75	-9
20	165	δ Andromedae	3.27	K3 III	0	40	38.7	3.228	+106	+30	59	40.76	19.64	-92
21	168	α Cassiopeiae*	2.23	K0^{-} IIIa	0	41	54.8	3.451	+64	+56	40	16.79	19.67	-32
22	188	β Ceti*	2.04	G9 III CH-1 CN 0.5 Ca 1	0	44	49.1	3.008	+164	-17	51	09.10	19.69	+32
33	269	μ Andromedae	3.87	A5 IV-V	0	58	07.3	3.356	+130	+38	37	54.09	19.43	+33
32	264	γ Cassiopeiae*	2.47	B0 IVnpe(shell)	0	58	12.5	3.681	+36	+60	50	55.74	+19.39	-5
35	280	α Sculptoris	4.31	B4 Vp	0	59	47.1	2.884	+17	-29	13	32.06	19.37	+4
40	334	η Ceti	3.45	K2^{-}III CN0.5	1	09	49.4	3.019	+147	-10	03	10.75	18.98	-138
42	337	β Andromedae*	2.06	M0^{+}IIIa	1	11	06.7	3.384	+146	+35	44	59.20	18.97	-114
1033	361	ζ Piscium*	5.24	F0Vn	1	15	00.9	3.143	+97	+7	42	15.20	18.92	-56
47	402	θ Ceti	3.60	K0 IIIb	1	25	14.9	3.001	-53	-8	03	27.72	18.45	-218
48	403	δ Cassiopeiae	2.68	A5 IV	1	27	26.5	3.990	+401	+60	21	42.07	+18.55	-52
49	429	γ Phoenicis	3.41	M0^{-} IIIa	1	29	25.6	2.597	-13	-43	11	36.22	18.33	-208
1044	440	δ Phoenicis	3.95	G9 III	1	32	16.1	2.489	+144	-48	56	45.87	18.59	+151
50	437	η Piscium	3.62	G7 IIIa	1	32	47.9	3.223	+19	+15	28	16.55	18.41	-6
54	472	α Eridani*	0.46	B3Vnp(shell)	1	38	37.4	2.225	+117	-57	06	46.36	18.18	-35
52	464	51 Andromedae	3.57	K3^{-} III	1	39	30.6	3.723	+65	+48	45	04.92	18.07	-113
59	509	τ Ceti	3.50	G8 V	1	45	12.4	2.789	-1190	-15	48	33.15	+18.82	+858
62	539	ζ Ceti	3.73	K0 III	1	52	40.3	2.965	+28	-10	12	53.67	17.63	-39
64	544	α Trianguli	3.41	F6 IV	1	54	29.1	3.441	+8	+29	41	49.81	17.36	-235
66	553	β Arietis*	2.64	A4 V	1	55	59.9	3.330	+68	+20	55	36.27	17.42	-111
63	542	ε Cassiopeiae	3.38	B3 IV:p(shell)	1	56	11.1	4.398	+48	+63	47	21.97	17.50	-21
68	566	χ Eridani	3.70	G8 III-IVCN-0.5H80.5	1	56	54.6	2.329	+730	-51	29	15.83	17.78	+291
72	591	α Hydri	2.86	F0n III-IV	1	59	32.5	1.889	+368	-61	27	04.63	+17.40	+26
71	585	ν Ceti	4.00	M0 IIIb	2	01	09.6	2.827	+97	-20	57	36.17	17.28	-24
73	603	γ Andromed.* p	2.26	K3^{-} Iib	2	05	24.9	3.715	+40	+42	26	45.89	17.06	-52
70	580	50 Cassiopeiae	3.98	A1 Va	2	05	34.8	5.278	-99	+72	32	17.57	17.13	+22
74	617	α Arietis*	2.00	K2 IIIab	2	08	33.6	3.399	+138	+23	34	37.59	16.82	-149
75	622	β Trianguli	3.00	A5 IV	2	11	00.6	3.596	+122	+35	06	07.06	16.81	-41
82	674	φ Eridani	3.56	B8 V	2	17	23.1	2.141	+102	-51	23	58.76	+16.52	-27
79	664	γ Trianguli	4.01	A0 IV-Vn	2	18	46.8	3.591	+38	+33	57	33.36	16.43	-51
91	779	δ Ceti	4.07	B2 IV	2	40	44.5	3.083	+9	+0	25	58.48	+15.31	-4

* **No. 1 : *Alpheratz*, Uttara Bhadrapada - 2**
No. 2 : *Caph*
No. 7 : *Algenib*, Uttara Bhadrapada - 1
No. 21 : *Schedar* . Mag. 2.1 to 2.6
No. 22 : *Deneb Kaitos or Diphda*
No. 32 : *Cih* . Mag. 1.6 to 3.2
No. 42 : *Mirach*
No. 1033 : Revati
No. 54 : *Achernar*
No. 66 : *Sheratan*, Asvini
No. 73 : *Almach*, Mag. f. 5.1
No. 74 : *Hamal*

MEAN PLACES OF STARS, J 2024.5

FOR JULY 2^{d}.125 TERRESTRIAL TIME

(The Annual Variations are for the middle of the year)

Cat. No. FK5	BS =HR No.	Star	Mag.	Spec-tral Type	Right Ascension			Annual Variation	Annual Proper motion	Declination			Annual Variation	Annual Proper motion
					h	m	s	s	s (0.0001)	°	'	"	"	" (0.001)
1075	794	ι Eridani	4.11	K0.5 IIIb Fe-0.5	2	41	38.0	2.367	+119	-39	45	05.76	+15.23	-32
94	801	35 Arietis	4.66	B3 V	2	44	53.8	3.540	+6	+27	48	35.73	15.06	-12
101	841	β Fornacis	4.46	G8.5 III Fe-0.5	2	50	07.0	2.512	+71	-32	18	15.00	14.92	155
100	838	41 Arietis*	3.63	B8 Vn	2	51	26.0	3.551	+50	+27	21	35.93	14.57	-118
99	834	η Persei	3.76	K3^{-}Ib-IIa	2	52	30.2	4.431	+20	+55	59	43.15	14.61	-14
103	854	τ Persei	3.95	G5 III + A4 V	2	56	00.7	4.301	+0	+52	51	39.32	14.41	-5
104	874	η Eridani	3.89	K1 IIIb	2	57	37.6	2.936	+53	-8	48	07.09	+14.10	-220
106	897	θ Eridani* p	3.25	A5 IV	2	59	11.5	2.276	-39	-40	12	27.36	14.24	+19
907	424	α Ursae Mins.*	2.02	F5-8 Ib	3	03	39.9	89.974	+2164	+89	21	56.38	13.92	-20
1085	919	τ^{3} Eridani	4.09	A4 V	3	03	28.4	2.647	-105	-23	31	46.56	13.90	-53
107	911	α Ceti*	2.53	M1.5 IIIa	3	03	33.8	3.145	-6	+4	11	03.78	13.87	-78
108	915	γ Persei	2.93	G5 III + A2 V	3	06	35.2	4.393	0	+53	36	01.66	13.75	-5
109	921	ρ Persei*	3.39	M4 II	3	06	45.4	3.872	+111	+38	56	00.47	+13.64	-106
111	936	β Persei*	2.12	B8 V + F:	3	09	46.4	3.933	+3	+41	02	53.77	13.55	-1
120	1017	α Persei*	1.79	F5 Ib	3	26	05.1	4.322	+25	+49	56	46.74	12.45	-25
121	1030	ο Tauri	3.60	G6 IIIa Fe-1	3	26	08.1	3.239	-45	+9	06	48.51	12.39	-78
123	1038	ξ Tauri	3.74	B9 Vn	3	28	30.0	3.262	+40	+9	48	59.36	12.26	-39
127	1084	ε Eridani	3.73	K2 V	3	34	05.2	2.832	-658	-9	22	36.26	11.94	+23
135	1136	δ Eridani	3.54	K0^{+}IV	3	44	25.4	2.880	-61	-9	40	55.13	+11.92	+745
131	1122	δ Persei	3.01	B5 III	3	44	40.8	4.305	+28	+47	51	49.39	11.12	-34
141	1175	β Reticuli	3.85	K2 III	3	44	30.9	0.774	+489	-64	43	49.28	11.24	+74
136	1142	17 Tauri	3.70	B6 III	3	46	20.1	3.578	+14	+24	11	18.60	10.99	-46
134	1135	ν Persei	3.77	F5 II	3	46	52.1	4.103	-13	+42	39	13.62	11.00	-2
146	1208	γ Hydri	3.24	M2 III	3	46	53.2	-0.851	+116	-74	09	48.36	11.11	+114
139	1165	η Tauri*	2.87	B7 IIIn	3	48	56.8	3.581	+14	+24	10	44.30	+10.80	-46
142	1178	27 Tauri	3.63	B8 III	3	50	37.5	3.582	+13	+24	07	35.12	10.68	-47
144	1203	ζ Persei	2.85	B1 Ib	3	55	40.7	3.790	+4	+31	57	15.67	10.34	-10
149	1231	γ Eridani	2.95	M0.5 IIIb Ca-1	3	59	10.4	2.804	+42	-13	26	25.34	9.97	-112
147	1220	ε Persei	2.89	B 0.5 IV	3	59	30.4	4.049	+16	+40	04	44.05	10.03	-26
148	1228	ξ Persei	4.04	O 7.5 IIIf	4	00	33.7	3.913	+2	+35	51	33.55	9.98	0
150	1239	λ Tauri	3.47v	B3 V	4	02	02.5	3.334	-4	+12	33	27.92	+9.85	-12
151	1251	ν Tauri	3.91	A1 Va	4	04	27.7	3.200	+3	+6	03	19.81	9.68	-3
152	1273	48 Persei	4.04	B3 Ve	4	10	27.0	4.385	+20	+47	46	31.92	9.19	-31
155	1326	α Horologii	3.86	K2 III	4	14	48.9	1.992	+41	-42	14	06.80	8.67	-209
156	1336	α Reticuli	3.35	G8II-III	4	14	44.8	0.790	+65	-62	24	46.78	8.93	+45
159	1346	γ Tauri	3.65	G9.5 IIIab CN 0.5	4	21	11.5	3.424	+80	+15	41	05.36	8.35	-25
162	1373	δ Tauri	3.76	G9.5 III CN 0.5	4	24	21.1	3.470	+75	+17	35	52.67	+8.09	-30
1121	1393	43 Eridani	3.96	K3.5^{-}IIIb	4	24	57.5	2.257	+56	-33	57	40.78	8.13	+50
164	1409	ε Tauri	3.54	G9.5 III CN 0.5	4	30	03.0	3.514	+76	+19	13	57.76	7.63	-38
171	1465	α Doradus	3.27	A0p Si	4	34	31.7	1.305	+60	-54	59	42.86	7.30	-4
170	1464	ν^{2} Eridani	3.82	G8.5 IIIa	4	36	30.3	2.336	-35	-30	30	48.81	+7.13	-12

* **No. 907 : (Nb) : *Polaris,* Dhruva**
No. 100 : Bharani
No. 106 : Acamar.
No. 107 : *Menkar*
No. 109 : Mag. 3.3 to 4.0.

No. 111 : *Algol* , Mag. 2.1 to 3.4.
No. 120 : *Mirphak.*
No. 139 : *Alcyone* , Krittika.

MEAN PLACES OF STARS, J 2024.5

FOR JULY 2^{d}.125 TERRESTRIAL TIME

(The Annual Variations are for the middle of the year)

Cat. No. FK5	BS =HR No.	Star	Mag.	Spec-tral Type	Right Ascension			Annual Variation	Annual Proper motion	Declination			Annual Variation	Annual Proper motion
					h	m	s	s	s (0.0001)	°	'	"	"	" (0.001)
168	1457	α Tauri*	0.85	K5^{+}III	4	37	19.8	3.451	+44	+16	33	23.46	+6.88	-190
172	1481	53 Eridani	3.87	K1.5IIIb	4	39	18.2	2.752	-52	-14	15	27.47	6.76	-155
1129	1502	α Caeli	4.45	F1 V	4	41	21.2	1.937	-126	-41	49	05.60	6.67	-77
1134	1543	π^{3} Orionis	3.19	F6 V	4	51	10.3	3.263	+313	+7	00	07.43	5.94	+10
179	1552	π^{4} Orionis	3.69	B2 III	4	52	30.8	3.202	-1	+5	38	42.18	5.82	+1
180	1567	π^{5} Orionis	3.72	B2 III	4	55	31.8	3.131	0	+2	28	43.96	5.56	0
178	1542	α Camelopardi	4.29	O9.5 Ia	4	56	30.2	6.014	-1	+66	22	50.61	+5.49	+6
181	1577	ι Aurigae	2.69	K3 II	4	58	35.6	3.919	+3	+33	12	09.14	5.29	-18
183	1605	ε Aurigae*	2.99V	A9 Ia	5	03	43.9	4.321	-1	+43	51	24.92	4.87	-4
1137	1612	ζ Aurigae	3.75	K5II + B5 V	5	04	11.7	4.208	+8	+41	06	32.59	4.81	-22
182	1603	β Camelopardi	4.03	G1 Ib-Iia	5	05	36.5	5.367	-9	+60	28	29.37	4.70	-16
186	1654	ε Leporis	3.19	K4 III	5	06	30.0	2.543	+18	-22	20	22.94	4.56	-74
185	1641	η Aurigae	3.17	B3 V	5	08	14.2	4.221	+26	+41	15	54.25	+4.42	-68
188	1666	β Eridani*	2.79	A3 IVn	5	09	03.3	2.954	-63	-5	03	23.69	4.34	-81
1144	1702	μ Leporis	3.31	B9p Hg Mn	5	14	02.0	2.699	+30	-16	10	41.62	3.97	-26
194	1713	β Orionis*	0.12	B8 Ia	5	15	43.0	2.887	0	-8	10	30.48	3.85	-1
193	1708	α Aurigae*	0.08	G6 III + G2 II	5	18	30.2	4.444	+71	+46	01	12.83	3.18	-425
195	1735	τ Orionis	3.60	B5 III	5	18	47.8	2.917	-10	-6	49	11.00	3.58	-8
1147	1765	22 Orionis	4.73	B2 IV-V	5	23	00.9	3.067	0	-0	21	36.87	+3.22	-1
201	1790	γ Orionis*	1.64	B2 III	5	26	26.8	3.222	-6	+6	22	11.43	2.91	-14
202	1791	β Tauri*	1.65	B7 III	5	27	50.6	3.799	+17	+28	37	32.70	2.63	-175
204	1829	β Leporis	2.84	G5 II	5	29	17.8	2.574	-3	-20	44	29.56	2.59	-89
214	1953	γ Mensae	5.19	K2 III	5	30	55.5	2.338	+321	-76	19	19.63	2.82	+282
206	1852	δ Orionis*	2.23	O9.5 II	5	33	15.6	3.069	+1	-0	16	58.44	2.33	-2
207	1865	α Leporis*	2.58	F0 Ib	5	33	48.7	2.649	+1	-17	48	23.08	+2.29	+2
212	1922	β Doradus	3.76v	F7-G2 Ib	5	33	50.4	0.529	+3	-62	28	27.11	2.29	+9
(GC)	1879	λ Orionis*	3.54	O8 IIIf	5	36	29.3	3.308	-1	+9	56	54.65	2.05	-2
209	1899	ι Orionis	2.77	O9 III	5	36	38.0	2.938	0	-5	53	44.33	2.04	+1
210	1903	ε Orionis*	1.70	B0 Ia	5	37	27.5	3.048	+1	-1	11	17.53	1.97	-2
211	1910	ζ Tauri	3.00	B2 IIIpe (shell)	5	39	06.6	3.590	0	+21	09	18.80	1.80	-21
215	1956	α Columbae*	2.64	B7 IV	5	40	32.2	2.176	+5	-34	03	45.06	+1.67	-26
1154	2015	δ Doradus	4.35	A7 V^{+}n	5	44	49.1	0.114	-49	-65	43	35.20	1.33	+8
217	1983	γ Leporis	3.60	F7 V	5	45	29.1	2.503	-212	-22	26	31.19	0.90	-369
219	1998	ζ Leporis	3.55	A2 Van	5	48	04.0	2.721	-11	-14	48	52.39	1.04	-1
220	2004	κ Orionis*	2.06	B0.5 Ia	5	48	55.2	2.848	+1	-9	39	45.83	0.97	-2
223	2040	β Columbae	3.12	K1.5 III	5	51	49.5	2.119	+49	-35	45	37.92	1.12	+401
222	2035	δ Leporis	3.81	K0 III Fe 1.5 CH 0.5	5	52	22.5	2.582	+161	-20	52	43.33	+0.02	-649
224	2061	α Orionis*	0.5	M1 M2 Ia Iab	5	56	29.9	3.251	+17	+7	24	34.48	+0.31	+9

No. 168 **:** ***Aldebaran,*** **Rohini**

* **No. 183 : Mag. 2.9 to 3.8.**

No. 188 : ***C ursa*** **.**

No. 194 : ***Rigel.***

No. 193 : ***Capella*** **, Brahmahridaya.**

No. 201 : ***Bellatrix.***

No. 202 : ***El Nath*** **, Agni.**

No. 206 : ***Mintaka*** **.**

No. 207 : ***Arneb*** **.**

No. GC : ***Mrgasiras*** **.**

No. 210 : ***Alnilam.***

No. 215 : ***Phakt*** **.**

No. 220 : ***Saiph*** **.**

No. 224 : ***Betelgeuse*** **, Mag. 0.4 to 1.3 Ardra.**

MEAN PLACES OF STARS, J 2024.5

FOR JULY 2^{d}.125 TERRESTRIAL TIME

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					h	m	s	s	s (0.0001)	°	'	"	"	" (0.001)
226	2085	η Leporis	3.71	F1 V	5	57	31.3	2.735	-28	-14	09	53.95	+0.36	+139
229	2120	η Columbae	3.96	G8/K1 II	5	59	53.9	1.840	+20	-42	48	54.16	-0.01	-14
227	2088	β Aurigae*	1.90	A1 IV	6	01	19.6	4.404	-54	+44	56	49.87	0.12	0
225	2077	δ Aurigae*	3.72	K0^{-} III	6	01	32.7	4.943	+92	+54	17	00.72	0.26	-126
1163	2134	1 Geminorum	4.16	G5 III-IV	6	05	36.6	3.649	-6	+23	15	35.29	0.59	-100
1168	2219	κ Aurigae	4.35	G9 IIIb	6	16	56.4	3.823	-57	+29	29	11.94	1.74	-262
240	2282	ζ Canis Maj.	3.02	B2.5 V	6	21	15.3	2.306	+7	-30	04	32.66	-1.85	+3
243	2294	β Canis Maj.*	1.98	B1 II-III	6	23	46.7	2.644	-4	-17	58	11.07	2.08	0
241	2286	μ Geminorum	2.88	M3 IIIab	6	24	26.5	3.630	+39	+22	29	55.38	2.24	-111
245	2326	α Carinae*	-0.7	A9 II	6	24	29.8	1.333	+25	-52	42	35.80	2.12	+21
244	2298	8ε Monocerotis	4.44	A6 IV	6	25	04.0	3.181	-12	+4	34	42.29	2.18	+11
1173	2343	ν Geminorum	4.15	B6 III	6	30	25.1	3.562	-5	+20	11	39.78	2.67	-14
252	2451	ν Puppis	3.17	B8 IIIn	6	38	30.7	1.838	+2	-43	13	06.98	-3.36	-6
251	2421	γ Geminorum*	1.93	A1 IVs	6	39	07.6	3.465	+29	+16	22	34.48	3.45	-42
254	2473	ε Geminorum	2.98	G8 Ib	6	45	26.3	3.689	-4	+25	06	16.45	3.96	-13
257	2491	α Canis Maj* cg	-1.5	A0m A1 Va	6	46	13.6	2.643	-387	-16	45	04.74	5.22	-1204
256	2484	ξGeminorum	3.36	F5 IV	6	46	39.8	3.366	-79	+12	52	01.49	4.24	-191
262	2550	α Pictoris	3.27	A6 Vn	6	48	26.5	0.612	-96	-61	58	05.12	3.94	+269
263	2553	τ Puppis	2.93	K1 III	6	50	32.7	1.490	+38	-50	38	41.22	-4.45	-70
1180	2538	κ Canis Maj.	3.96	B1.5 Ive	6	50	45.4	2.243	-5	-32	32	17.40	4.40	+4
261	2540	θ Geminorum	3.60	A3 III-IV	6	54	24.1	3.949	-2	+33	55	45.48	4.76	-48
268	2618	ε Canis Maj.*	1.50	B2 II	6	59	35.4	2.360	+3	-29	00	24.67	5.15	+3
1183	2646	σ Canis Maj.	3.47	K7 IB	7	02	41.7	2.392	-4	-27	58	16.98	5.41	+5
270	2653	o^{2} Canis Maj.	3.02	B3 Ia	7	04	02.9	2.507	-3	-23	52	14.27	5.52	+3
269	2650	ζ Geminorum*	3.79v	F9 Ib (var)	7	05	33.6	3.555	-6	+20	31	55.92	-5.66	0
1189	2736	γ^{2} Volantis	3.78	G9 III	7	08	31.9	0.533	+48	-70	32	18.61	5.80	+106
273	2693	δ Canis Maj.	1.86	F8 Ia	7	09	23.3	2.441	-2	-26	26	00.83	5.97	+4
1187	2714	22δ Monocerotis	4.15	A1 III^{+}	7	13	06.9	3.064	-1	-0	32	06.59	6.28	+5
281	2803	δ Volantis	3.98	F9 Ib	7	16	48.7	0.049	-12	-68	00	07.44	6.59	+5
278	2773	π Puppis	2.70	K3 Ib	7	18	00.5	2.121	-8	-37	08	34.03	6.69	+4
277	2763	λ Geminorum	3.58	A4 IV	7	19	30.0	3.444	-33	+16	29	38.90	-6.85	-36
279	2777	δ Geminorum	3.53	F0 V^{+}	7	21	35.0	3.578	-19	+21	56	06.33	7.00	-12
283	2827	η Canis Maj.	2.45	B5 Ia	7	25	03.9	2.375	-3	-29	21	08.23	7.26	+5
282	2821	ι Geminorum	3.79	G9 IIIb	7	27	14.7	3.719	-93	+27	44	49.94	7.53	-86
285	2845	β Canis Min.*	2.90	B8 V	7	28	28.7	3.251	-35	+8	14	16.99	7.58	-38
1194	2878	ρ Puppis	3.25	K5 III	7	30	00.5	1.905	-50	-43	21	07.87	7.48	+187
287	2891	α Gemino.* *cg*	1.95	Alm A2 Va	7	36	09.6	3.819	-135	+31	49	57.61	-8.26	-98
291	2943	α C. Min.* *cg*	0.38	F5 IV-V	7	40	35.0	3.137	-477	+5	09	37.61	9.54	-1021
297	3024	ζ Volantis	3.95	G9 III	7	41	30.2	0.785	+67	-72	39	52.14	-8.57	+18

* **No. 225 : Prajapati.**
No. 227 : *Menkalinam* .
No. 243 : *Mirzam.*
No. 245 : *Canopus* , Agastya.
No. 251 : *Alhena* .
No. 257 : *Sirius* , Lubdhaka Mag. - 1.46.
No. 268 : *Adhara.*
No. 269 : Mekbuda Mag. 3.7 to 4.1.
No. 285 : *Gomeisa.*
No. 287 : *Castor,* Punarvasu-2, Mag. 1.95 & 2.
No. 291 : *Procyon* , Mag. 0.38 & 11.3.

MEAN PLACES OF STARS, J 2024.5

FOR JULY 2^{d}.125 TERRESTRIAL TIME

(The Annual Variations are for the middle of the year)

Cat. No. FK5	BS =HR No.	Star	Mag.	Spec-tral Type	Right Ascension			Annual Variation	Annual Proper motion	Declination			Annual Variation	Annual Proper motion
					h	m	s	s	s (0.0001)	°	'	"	"	" (0.001)
293	2970	26α Monocerotis	3.93	G9 III Fe-1	7	42	25.1	2.866	-49	-9	36	35.73	-8.68	-19
294	2985	κ Geminorum	3.57	G8 III	7	45	55.4	3.614	-24	+24	20	13.91	8.99	-52
295	2990	β Geminorum*	1.14	K0 IIIb	7	46	48.7	3.662	-474	+27	57	53.94	9.05	-44
1204	3045	ξ Puppis	3.34	G6 Iab-Ib	7	50	19.5	2.525	-2	-24	55	21.72	9.28	-2
301	3080	213 G. Puppis	3.73	K1/2 II + A	7	53	03.6	2.065	-8	-40	38	24.75	9.49	+3
303	3117	χ Carinae	3.47	B3p Si	7	57	24.1	1.524	-32	-53	02	56.01	9.80	+21
306	3165	ζ Puppis	2.25	O5 Iafn	8	04	26.8	2.111	-24	-40	04	24.27	-10.34	+12
308	3185	ρ Puppis	2.81	F5 (Ib-II)p	8	08	35.3	2.557	-61	-24	22	34.57	10.61	+49
309	3207	γ^{2} Velorum	1.78	WC8 + O9I:	8	10	17.3	1.850	-4	-47	24	35.43	10.78	+6
312	3249	β Cancri	3.52	K 4 III Ba 0.5	8	17	50.6	3.249	-30	+9	06	30.03	11.39	-49
315	3307	ε Carinae	1.86	K3: III + B2: V	8	23	00.9	1.225	-35	-59	35	20.63	11.70	+15
319	3347	β Volantis	3.77	K2 III	8	25	59.8	0.632	-61	-66	13	08.66	12.08	-155
316	3314	Br 1197 Hydrae	3.90	A0 Va	8	26	53.0	2.996	-44	-3	59	16.25	-12.01	-23
317	3323	*o* Ursae Maj.	3.36	G5 III	8	32	16.8	4.927	-182	+60	38	01.74	12.46	-107
321	3366	η Cancri	5.33	K3 III	8	34	07.3	3.460	-34	+20	21	22.40	12.53	-43
1223	3410	δ Hydrae	4.16	A1 Ivnn	8	38	57.1	3.172	-44	+5	37	00.44	12.82	-7
1224	3418	σ Hydrae	4.44	K1 III	8	40	02.2	3.132	-12	+3	15	13.89	12.90	-18
1227	3447	*o* Velorum	3.62	B3 IV	8	40	59.7	1.719	-24	-53	00	35.31	12.93	+20
1226	3445	53 G. Velorum	3.84	F0 Ia	8	41	26.4	1.994	0	-46	44	12.82	-12.98	+3
327	3468	α Pyxidis	3.68	B1.5 III	8	44	34.7	2.414	-9	-33	16	33.04	13.18	+11
1228	3449	γ Cancri	4.66	A1 Va	8	44	42.0	3.461	-76	+21	22	43.42	13.23	-39
326	3461	δ Cancri*	3.94	K0 IIIb	8	46	04.4	3.400	-13	+18	03	45.49	13.51	-228
(329)	3482	ε Hydrae* m	3.38	G5: III^{-} A:	8	48	04.2	3.170	-155	+6	19	39.09	13.45	-40
328	3475	ι Cancri	4.02	G8 II-III	8	48	10.5	3.616	-19	+28	40	06.98	13.46	-42
336	3571	108 G. Carinae	3.84	B7 II-III	8	55	36.0	1.354	-28	-60	44	19.85	-13.86	+38
334	3547	ζ Hydrae	3.11	G9 IIIa	8	56	41.2	3.167	-66	+5	51	03.07	13.95	+15
337	3572	α Cancri*	4.25	A5m	8	59	49.5	3.275	23	+11	45	41.10	14.19	-31
335	3569	ι Ursae Maj.	3.14	A7 Ivn	9	00	52.4	4.074	-443	+47	56	37.28	14.45	-225
342	3614	97 G. Velorum	3.75	K2 III	9	05	00.1	2.073	-44	-47	11	46.39	14.49	-13
341	3594	κ Ursae Maj.	3.60	A0 IIIn	9	05	17.2	4.064	-32	+47	03	28.34	14.55	-54
345	3634	λ Velorum	2.21	K4.5 Ib	9	08	53.9	2.212	-17	-43	31	56.84	-14.70	+13
1239	3627	ξ Cancri	5.14	G9 IIIa Fe-0.5 CH-1	9	10	45.8	3.438	+1	+21	56	41.56	14.82	+5
348	3685	β Carinae	1.68	A1 III	9	13	27.5	0.629	-311	-69	49	06.11	14.87	+109
347	3665	θ Hydrae	3.88	B9.5 IV (C II)	9	15	38.3	3.118	+86	+2	12	34.45	15.41	-310
351	3699	ι Carinae	2.25	A7 Ib	9	17	44.7	1.605	-26	-59	22	43.42	15.22	+8
352	3705	α Lyncis	3.13	K7 IIIab	9	22	32.4	3.635	-179	+34	17	15.04	15.48	+19
1243	3718	θ Pyxidis	4.72	M0.5 III	9	22	34.8	2.660	-8	-26	04	14.81	-15.50	-8
353	3734	κ Velorum*	2.50	B2 IV-V	9	22	52.4	1.861	-10	-55	06	57.95	15.50	+9
354	3748	α Hydrae*	1.98	K3 II-III	9	28	47.5	2.948	-9	-8	45	57.53	15.80	+33
361	3803	N Velorum	3.13	K5 III	9	31	58.1	1.826	-39	-57	08	35.38	16.00	+4
355	3757	23 Ursae Maj.	3.67	F0 IV	9	33	26.0	4.653	+160	+62	57	10.60	16.05	+27
358	3775	θ Ursae Maj.	3.17	F6 IV	9	34	28.9	3.972	-1024	+51	33	51.09	-16.66	-529

* **No. 295 : *Pollux*, Punarvasu-1.**
No. 326 : Pusya.
No. 329 : Aslesa.
No. 337 : Acubens. (Aslesa.)
No. 353 : *Markeb* .
No. 354 : *Alphard* .

MEAN PLACES OF STARS, J 2024.5

FOR JULY $2^{d}.125$ TERRESTRIAL TIME

(The Annual Variations are for the middle of the year)

Cat. No. FK5	BS =HR No.	Star	Mag.	Spec-tral Type	Right Ascension			Annual Variation	Annual Proper motion	Declination			Annual Variation	Annual Proper motion
					h	m	s	s	s (0.0001)	°	'	"	"	" (0.001)
1250	3845	ι Hydrae	3.91	K2.5 III	9	41	06.4	3.062	+32	-1	15	18.76	-16.54	-64
364	3849	κ Hydrae	5.06	B5 V	9	41	28.9	2.878	-19	-14	26	40.20	16.51	-20
365	3852	*o* Leonis	3.52	F5 II + A5?	9	42	27.4	3.196	-96	+9	46	46.96	16.58	-37
367	3873	ε Leonis	2.98	G1 II	9	47	14.2	3.393	-34	+23	39	36.84	16.78	-11
368	3888	*ν* Ursae Maj.	3.80	F0 IV	9	52	42.7	4.206	-379	+58	55	19.51	17.18	-150
371	3905	μ Leonis	3.88	K2 III CN I Ca I	9	54	09.1	3.398	-160	+25	53	25.49	17.15	-56
375	3940	φVelorum	3.54	B5 Ib	9	57	43.5	2.115	-12	-54	41	06.40	-17.25	+3
1261	3970	ν^{2} Hydrae	4.60	B8 V	10	06	19.1	2.924	-25	-13	11	03.66	17.61	+18
379	3975	η Leonis	3.52	A0 Ib	10	08	39.9	3.262	-1	+16	38	31.98	17.72	0
380	3982	α Leonis*	1.35	B7 Vn	10	09	40.5	3.188	-169	+11	50	47.47	17.76	+7
381	3994	λ Hydrae	3.61	K0 III CN 0.5	10	11	47.0	2.927	-138	-12	28	33.60	17.94	-88
385	4037	ω Carinae	3.32	B8 IIIn	10	14	19.0	1.420	-76	-70	09	35.86	17.94	+7
382	4023	191 G.Velorum	3.85	A2 Va	10	15	46.1	2.529	-131	-42	14	38.86	-17.96	+45
1264	4050	187 G. Carinae	3.40	K2.5 II	10	17	54.3	2.014	-34	-61	27	18.99	18.08	+5
384	4031	ζ Leonis	3.44	F0 III	10	18	02.9	3.324	+13	+23	17	39.47	18.10	-7
383	4033	λ Ursae Maj.	3.45	A1 IV	10	18	33.9	3.590	-149	+42	47	27.85	18.15	-38
1268	4080	204 G.Velorum	4.83	K1 III	10	23	22.9	2.585	-20	-41	46	26.42	18.23	+56
386	4069	μ Ursae Maj.	3.05	M0 III	10	23	46.8	3.548	-72	+41	22	31.36	18.27	+35
391	4102	I Carinae	4.00	F2 V	10	24	52.4	1.172	-52	-74	09	23.57	-18.37	-26
389	4094	μ Hydrae	3.81	$K4^{+}$ III	10	27	16.6	2.906	-89	-16	57	43.69	18.50	-80
392	4104	α Antliae	4.25	K4.5 III	10	28	16.6	2.754	-58	-31	11	35.61	18.45	+11
393	4114	196 G. Carinae	3.82	F0 Ib	10	28	47.0	2.216	-17	-58	51	54.38	18.47	0
1270	4116	δ Sextantis	5.21	B9.5 V	10	30	43.4	3.047	-32	-2	51	54.91	18.55	-14
397	4140	203 G. Carinae	3.32	B4 Vne	10	32	54.0	2.148	-27	-61	48	42.75	18.60	+9
396	4133	ρ Leonis	3.85	B1 Iab	10	34	06.0	3.154	-4	+9	10	47.16	-18.65	-3
401	4174	γ Chamaeleontis	4.11	M0 III	10	35	44.2	0.650	-144	-78	44	05.73	18.69	+14
406	4199	θ Carinae	2.76	B0.5 Vp	10	43	50.2	2.157	-35	-64	31	23.69	18.93	+10
411	4234	δ^{2} Chamaeleontis	4.45	B2.5 IV	10	45	58.8	0.474	-201	-80	40	10.03	19.00	+8
410	4232	ν Hydrae	3.11	K1.5 IIIb Hδ-0.5	10	50	50.1	2.966	+66	-16	19	20.81	18.94	+200
412	4247	46 Leonis Min.	3.83	$K0^{+}$ III-IV	10	54	40.5	3.337	+70	+34	04	55.91	19.51	-279
1283	4287	α Crateris	4.08	$K0^{+}$ III	11	00	58.2	2.930	-323	-18	25	46.96	-19.25	+130
416	4295	β Ursae Maj.*	2.37	A1 IV-V	11	03	18.2	3.575	+99	+56	15	01.79	19.40	+34
417	4301	α Ursae Maj.*	1.80	$K0^{-}$ IIIa	11	05	13.2	3.644	-167	+61	37	04.90	19.54	-66
1289	4337	260 G. Carinae	3.91	G4 0-Ia	11	09	38.7	2.588	-9	-59	06	29.22	19.56	0
420	4335	ψ Ursae Maj.	3.01	K1 III	11	11	01.9	3.346	-60	+44	21	54.37	19.61	-28
422	4357	δ Leonis*	2.56	A4 IV	11	15	24.5	3.182	+101	+20	23	20.63	19.79	-130
423	4359	θ Leonis*	3.34	A2 IV (Kvar)	11	15	31.4	3.142	-42	+15	17	42.89	-19.74	-79
425	4377	ν Ursae Maj.	3.48	$K3^{-}$ III	11	19	47.8	3.225	-20	+32	57	36.89	19.71	+28
426	4382	δ Crateris	3.56	G9 IIIb CH 0.2	11	20	34.1	3.006	-84	-14	54	41.30	19.54	+208
433	4434	λ Draconis	3.84	M0 III Ca-1	11	32	49.9	3.484	-73	+69	11	44.05	19.92	-17
434	4450	ξ Hydrae	3.54	G7 III	11	34	12.7	2.965	-162	-31	59	36.25	19.95	-39
436	4467	λ Centauri	3.13	B9.5 Iin	11	36	55.4	2.804	-61	-63	09	19.86	-19.94	-5

* **No. 380 : *Regulus*, Magha.**
No. 416 : *Merak*, Pulaha.
No. 417 : *Dubhe*, Kratu.
No. 422 : *Zosma*, Purva Phalguni-1.
No. 423 : Purva Phalguni-2.

MEAN PLACES OF STARS, J 2024.5

FOR JULY 2^{d}.125 TERRESTRIAL TIME

(The Annual Variations are for the middle of the year)

Cat. No. FK5	BS =HR No.	Star	Mag.	Spec-tral Type	Right Ascension			Annual Variation	Annual Proper motion	Declination			Annual Variation	Annual Proper motion
					h	m	s	s	s (0.0001)	°	'	"	"	" (0.001)
442	4520	λ Muscae	3.64	A7 IV	11	46	46.7	2.878	-174	-66	51	52.70	-19.97	+37
441	4518	χ Ursae Maj.	3.71	K0.5 IIIb	11	47	20.1	3.143	-136	+47	38	36.42	19.98	+30
1304	4527	93 Leonis*	4.53v	G4 III-IV + A7 V	11	49	14.8	3.088	-106	+20	04	57.62	20.02	-3
444	4534	β Leonis*	2.14	A3 Va	11	50	18.5	3.056	-342	+14	26	06.02	20.14	-114
445	4540	β Virginis	3.61	F9 V	11	51	58.3	3.126	+495	+1	37	35.54	20.30	-271
447	4554	γ Ursae Maj.*	2.44	A0 Van	11	55	06.5	3.125	+107	+53	33	30.53	20.02	+12
452	4621	δ Centauri	2.60	B2 IVne	12	09	38.3	3.141	-36	-50	51	31.60	-20.03	-8
453	4630	ε Corvi	3.00	K2.5 IIIa	12	11	23.3	3.098	-51	-22	45	21.31	20.00	+13
455	4656	δ Crucis	2.80	B2 IV	12	16	27.6	3.229	-53	-58	53	06.16	20.00	-9
456	4660	δ Ursae Maj.*	3.31	A2 Van	12	16	37.7	2.940	+127	+56	53	47.82	19.98	+9
457	4662	γ Corvi*	2.59	B8p Hg Mn	12	17	04.2	3.096	-112	-17	40	40.17	19.96	+23
459	4674	β Chamaeleontis	4.26	B5 Vn	12	19	50.2	3.678	-175	-79	26	52.83	19.95	+17
460	4689	η Virginis	3.89	AI IV^{+}	12	21	09.6	3.073	-42	-0	48	10.01	-19.97	-18
462	4730	α Crucis*A	1.33	B0.5 IV	12	27	58.8	3.393	-53	-63	14	04.43	19.90	-12
465	4757	δ Corvi*	2.95	B9.5 IV^{-}n	12	31	08.1	3.115	-146	-16	39	05.64	19.99	-138
468	4763	γ Crucis	1.63v	M3.5 III	12	32	32.4	3.372	+29	-57	15	00.22	20.10	-262
469	4773	γ Muscae	3.87	B5 V	12	33	57.7	3.680	-127	-72	16	04.58	19.82	-2
472	4787	κ Draconis	3.87v	B6 IIIpe	12	34	30.9	2.524	-112	+69	39	12.27	19.80	+12
471	4786	β Corvi	2.65	G5 IIb	12	35	40.7	3.166	+2	-23	31	54.93	-19.85	-54
474	4798	α Muscae	2.69	B2 IV-V	12	38	40.3	3.659	-90	-69	16	12.59	19.77	-13
475	4813	χ Virginis	4.66	K2 III CN 1.5	12	40	30.8	3.104	-51	-8	07	48.45	19.75	-25
1326	4828	ρ Virginis	4.88	A0 Va(λ Boo)	12	43	07.5	3.037	+57	+10	06	03.31	19.78	-90
481	4853	β Crucis	1.25	B0.5 III	12	49	10.2	3.558	-63	-59	49	19.89	19.60	-14
483	4905	ε Ursae Maj.*	1.77	A0p Cr	12	55	06.0	2.620	+132	+55	49	38.15	19.47	-6
484	4910	δ Virginis*	3.38	M3^{+}III	12	56	50.3	3.025	-313	+3	15	53.10	-19.48	-54
485	4915	α CVn sq*	2.90	A0p Si Eu	12	57	10.2	2.796	-198	+38	11	11.46	19.36	+56
488	4932	ε Virginis*	2.83	G8 IIIab	13	03	23.8	2.987	-185	+10	49	40.65	19.26	+20
487	4923	δ Muscae	3.62	K2 III	13	03	59.7	4.242	+544	-71	40	48.90	19.29	-20
492	4983	β Com	4.26	F9.5 V	13	13	00.9	2.795	-604	+27	45	16.29	18.15	+881
495	5020	γ Hydrae	3.00	G8 IIIa	13	20	15.5	3.278	+47	-23	18	00.47	18.87	-45
496	5028	ι Centauri	2.75	A2 Va	13	21	59.0	3.398	-284	-36	50	26.88	-18.86	-86
497	5054	ζ Ursae Maj.*pr	2.27	A1 Va^{+}(Si)	13	24	54.5	2.404	+141	+54	47	52.80	18.70	-20
498	5056	α Virginis*	0.98	B1 V	13	26	29.2	3.171	-28	-11	17	18.39	18.66	-28
501	5107	ζ Virginis	3.37	A2 IV^{-}	13	35	56.6	3.063	-190	-0	43	13.53	18.27	+42
504	5132	ε Centauri	2.30	B1 III	13	41	27.3	3.848	-32	-53	35	23.81	18.13	-17
509	5191	η Ursae Maj.*	1.86	B3 V	13	48	30.2	2.357	-125	+49	11	30.19	17.85	-11
508	5193	μ Centauri	3.04	B2 IV-Vpne(shell)	13	51	06.2	3.646	-21	-42	35	41.21	-17.75	-20
513	5235	η Bootis	2.68	G0 IV	13	55	51.1	2.857	-44	+18	16	32.72	17.89	-358
512	5231	ζ Centauri	2.55	B2.5 IV	13	57	04.9	3.780	-56	-47	24	28.30	-17.52	-42

* **No. 1304 : Uttara Phalguni-2.**
No. 444 : *Denebola,* Uttara Phalguni-1.
No. 447 : *Phecda or Phad,* Pulastya.
No. 456 : *Megrez,* Atri.
No. 457 : *Minkar.*
No. 462 : *Acrux* .
No. 465 : *Algorel* , Hasta.
No. 483 : *Alioth,* Angira.
No. 484 : Minelauva.
No. 485 : 12 Canum Venaticorum, Mag. *p* 2.9 &
No. 488 : *Vindemiatrix.*
No. 497 : *Mizar* , Vasista. Mag. *f* . 4.0.
No. 498 : *Spica* , Citra.
No. 509 : *Alkaid, Benetnasch,* Marichi.

MEAN PLACES OF STARS, J 2024.5

FOR JULY 2^{d}.125 TERRESTRIAL TIME

(The Annual Variations are for the middle of the year)

Cat. No. FK5	BS =HR No.	Star	Mag.	Spec-tral Type	Right Ascension			Annual Variation	Annual Proper motion	Declination			Annual Variation	Annual Proper motion
					h	m	s	s	s (0.0001)	°	'	"	"	" (0.001)
521	5291	α Draconis*	3.65	A0 III	14	05	03.2	1.629	-84	+64	15	33.40	-17.11	+18
518	5267	β Centauri*	0.61	B1 III	14	05	34.5	4.301	-43	-60	29	23.39	17.13	-19
519	5287	π Hydrae	3.27	K2^{-} III Fe-0.5	14	07	46.4	3.436	+33	-26	47	57.39	17.15	-139
520	5288	θ Centauri	2.06	K0^{-} IIIb	14	08	08.0	3.557	-429	-36	29	21.84	17.51	-520
523	5315	κ Virginis	4.19	K2.5 III Fe-0.5	14	14	12.4	3.211	+5	-10	23	11.99	16.56	+140
526	5340	α Bootis*	-0.04	K1.5 III Fe-0.5	14	16	46.8	2.739	-769	+19	03	20.91	18.58	-2000
525	5338	ι Virginis	4.08	F7 III-IV	14	17	18.2	3.156	-2	-6	06	58.91	-16.98	-432
1371	5359	λ Virginis	4.52	A5m:	14	20	26.4	3.259	-11	-13	28	57.76	16.36	+30
531	5404	θ Bootis	4.05	F7 V	14	26	01.8	2.042	-253	+51	44	17.82	16.51	-398
534	5429	ρ Bootis	3.58	K3 III	14	32	53.1	2.585	-77	+30	15	53.58	15.63	+119
535	5435	γ Bootis	3.03	A7 IV^{+}	14	33	03.8	2.415	-97	+38	12	07.31	15.58	+153
537	5440	η Centauri	2.31	B1.5 IVpne(shell)	14	37	04.4	3.841	-31	-42	15	50.45	15.55	-35
538	5460	α Centauri* cg	0.00	K1 V	14	41	16.9	4.131	-5000	-60	56	05.96	-14.59	+691
541	5469	α Lupi	2.30	B1.5 III	14	43	34.3	4.028	-21	-47	29	30.29	15.17	-18
545	5487	μ Virginis	3.88	F2 V	14	44	21.3	3.171	+73	-5	45	48.30	15.42	-316
539	5463	α Circini	3.19	A 7p Sr Eu	14	44	31.0	4.937	-302	-65	04	47.47	15.33	-232
544	5485	371 G.Cen	4.05	K3 IIIb	14	45	09.8	3.694	-52	-35	16	39.79	15.24	-180
547	5511	109 Virginis	3.72	A0 Ivnn	14	47	29.4	3.040	-76	+1	47	26.99	14.95	-27
542	5470	α Apodis	3.83	K3 III CN 0.5	14	51	01.4	7.802	-41	-79	08	44.37	-14.73	-16
550	5563	β Ursae Min.*	2.08	K4^{-} III	14	50	39.6	-0.101	-76	+74	03	19.04	14.72	+12
548	5531	α^{2}Librae*	2.75	A3 III-IV	14	52	14.3	3.332	-73	-16	08	31.82	14.71	-67
552	5571	β Lupi	2.68	B2 IV	15	00	08.9	3.961	-32	-43	13	51.57	14.20	-39
553	5576	κ Centauri	3.13	B2 V	15	00	45.9	3.933	-17	-42	12	03.23	14.15	-24
555	5602	β Bootis	3.50	G8 IIIa Fe-0.5	15	02	52.1	2.261	-35	+40	17	41.87	14.02	-28
556	5603	σ Librae	3.29	M2.5 III	15	05	30.6	3.529	-54	-25	22	36.05	-13.87	-43
559	5652	ι Librae*	4.54	B9p Si	15	13	37.4	3.434	-25	-19	52	58.31	13.34	-39
558	5649	ζ Lupi	3.41	G8 III	15	14	03.6	4.353	-122	-52	11	25.86	13.35	-73
563	5681	δ Bootis	3.47	G8 III Fe-I	15	16	29.5	2.421	+69	+33	13	28.41	13.23	-112
564	5685	β Librae*	2.61	B8 IIIn	15	18	19.7	3.239	-65	-9	28	18.45	13.01	-19
560	5671	γ Tr. Austrini	2.89	A1 III	15	21	14.0	5.708	-132	-68	46	02.65	12.83	-31
569	5735	γ Ursae Min.	3.05	A 3 III	15	20	42.5	-0.040	-40	+71	44	48.54	-12.81	+20
1402	5695	δ Lupi	3.22	B1.5 IVn	15	22	59.4	3.965	-13	-40	44	04.07	12.71	-26
566	5705	φ' Lupi	3.56	K4 III	15	23	22.1	3.830	-74	-36	20	54.46	12.74	-85
571	5744	ι Draconis	3.29	K2 III	15	25	28.7	1.345	-12	+58	52	51.25	12.49	+17
572	5747	β Cr. Borealis	3.68	F0p Cr Eu	15	28	50.4	2.476	-137	+29	01	20.96	12.19	+86
578	5793	α Cr.Borealis*	2.23	A0 IV	15	35	43.6	2.543	+91	+26	38	00.78	11.89	-88
577	5787	γ Librae	3.91	G8.5 III	15	36	54.0	3.368	+45	-14	52	10.43	-11.71	+9
579	5794	ν Librae	3.58	K3.5 III	15	38	31.1	3.659	-7	-28	12	51.63	11.60	+3
1413	5838	κ Librae	4.74	M0^{-} IIIb	15	43	21.8	3.470	-26	-19	45	23.37	11.36	-103
582	5854	α Serpentis*	2.65	K2 IIIb CN I	15	45	28.6	2.961	+92	+6	21	00.43	-11.05	+47

* **No. 518 : *Agena* .**
No. 521 : *Thuban* .
No. 526 : *Arcturus* , Svati.
No. 538 : Rigil *Kentaurus* Mag. 0.33 & 1.70.
No. 548 : *Zuben el Genubi,* Visakha.
No. 550 : *Kochab* .
No. 559 : Visakha.
No. 564 : *Zuben es Chamali.*
No. 578 : *Margarita, Alphecca.*
No. 582 : *Unukalhaly.*

MEAN PLACES OF STARS, J 2024.5

FOR JULY 2^{d}.125 TERRESTRIAL TIME

(The Annual Variations are for the middle of the year)

Cat. No. FK5	BS =HR No.	Star	Mag.	Spec-tral Type	Right Ascension			Annual Variation	Annual Proper motion	Declination			Annual Variation	Annual Proper motion
					h	m	s	s	s (0.0001)	°	'	"	"	" (0.001)
583	5867	β Serpentis	3.67	A2 IV	15	47	19.2	2.773	+46	15	20	47.79	-11.01	-45
585	5881	μ Serpentis	3.54	A0 III	15	50	54.1	3.139	-57	-3	30	12.76	10.73	-24
588	5892	ε Serpentis	3.71	A5m	15	52	02.4	2.997	86	+4	24	20.14	10.55	+63
589	5897	β Tr.Australis	2.85	F0 1V	15	57	19.4	5.352	-283	-63	30	12.59	10.62	-398
591	5933	γ Serpentis	3.85	F6 V	15	57	35.2	2.776	+218	+15	34	59.47	11.48	-1281
592	5944	π Scorpii	2.89	B1 V + B2 V	16	00	20.3	3.644	-8	-26	10	57.64	10.02	-26
594	5953	δ Scorpii*	2.32	B0.3 IV	16	01	47.2	3.560	-8	-22	41	22.13	-9.91	-22
597	5984	β Scorpii*pr	2.62	B0.5 V	16	06	51.9	3.500	-4	-19	52	13.98	9.52	-19
603	6056	δ Ophiuchi	2.74	M0.5 III	16	15	37.9	3.151	-29	-3	45	20.25	8.96	-143
605	6075	ε Ophiuchi	3.24	G9.5 IIIb Fe-0.5	16	19	37.2	3.182	+57	-4	45	01.50	8.46	+41
608	6092	τ Herculis	3.89	B5 IV	16	20	28.7	1.808	-11	+46	15	21.88	8.39	+40
607	6084	σ Scorpii	2.89	B1 III	16	22	40.9	3.659	-8	-25	38	58.43	8.28	-21
609	6095	γ Herculis	3.75	A9 IIIbn	16	23	00.1	2.650	-33	+19	05	49.53	-8.19	+43
613	6117	ω Herculis	4.57	B9 p Cr	16	26	32.9	2.773	+30	+13	58	42.46	8.01	-59
616	6134	α Scorpii* cg	0.96	M1.5 Iab-Ib	16	30	54.8	3.691	-7	-26	29	03.24	7.62	-20
618	6148	β Herculis	2.77	G7 III a Fe-0.5	16	31	16.5	2.583	-70	+21	26	15.77	7.58	-15
611	6102	γ Apodis	3.89	G8/K0 III	16	37	17.2	9.429	-452	-78	56	48.76	7.15	-77
620	6165	τ Scorpii	2.82	B0 V	16	37	24.7	3.747	-6	-28	15	52.94	7.09	-22
622	6175	ζ Ophiuchi	2.56	O9.5 Vn	16	38	30.6	3.311	+9	-10	36	53.21	-6.95	+26
626	6220	η Herculis	3.53	G7 III Fe-1	16	43	44.2	2.061	+32	+38	52	37.03	6.63	-82
625	6217	α Tr. Austr.*	1.92	K2 IIb-IIIa	16	51	16.8	6.415	+26	-69	04	08.36	5.95	-34
1438	6243	20 Ophiuchi	4.65	F7 III	16	51	11.5	3.326	+65	-10	49	27.79	6.02	-92
628	6241	ε Scorpii	2.29	K2 III	16	51	45.3	3.899	-493	-34	20	07.69	6.14	-257
1435	6229	η Arae	3.76	K5 III	16	51	54.8	5.213	+49	-59	04	55.75	5.90	-28
1439	6247	μ' Scorpii	3.08v	B1.5 IVn	16	53	32.1	4.078	-9	-38	05	13.46	-5.76	-25
633	6299	κ Ophiuchi	3.20	K2 III	16	58	49.8	2.844	-197	+9	20	19.12	5.30	-11
631	6285	ζ Arae	3.13	K4 III	17	00	39.4	4.990	-23	-56	01	33.23	5.17	-36
634	6324	ε Herculis	3.92	A0 IV^{+}	17	01	13.7	2.299	-36	+30	53	30.26	5.06	+27
635	6355	60 Herculis	4.91	A4 IV	17	06	30.9	2.786	+35	+12	42	32.04	4.64	-10
639	6396	ζ Draconis	3.17	B6 III	17	08	51.8	0.189	-33	+65	41	04.59	4.41	+22
638	6380	η Scorpii	3.33	F2 V:p(Cr)	17	13	54.8	4.310	+23	-43	16	07.94	-4.29	-287
643	6418	π Herculis	3.16	K3 II	17	15	54.1	2.093	-22	+36	46	58.30	3.83	+4
641	6410	δ Herculis	3.14	A1 Vann	17	16	02.4	2.468	-15	+24	48	42.66	3.98	-157
644	6453	θ Ophiuchi	3.27	B2 IV	17	23	31.0	3.691	-3	-25	01	18.17	3.20	-20
645	6461	β Arae	2.85	K3 Ib-IIa	17	27	20.5	5.002	-9	-55	33	00.13	2.87	-25
1457	6486	44 Ophiuchi	4.17	A9m:	17	27	52.1	3.670	0	-24	11	44.19	2.92	-116
653	6536	β Draconis	2.79	G2 Ib-IIa	17	30	59.3	1.360	-17	+52	17	02.90	-2.52	+15
649	6508	ν Scorpii	2.69	B2 IV	17	32	25.9	4.086	-1	-37	18	46.49	2.44	-31
648	6500	δ Arae	3.62	B8 Vn	17	33	18.9	5.432	-79	-60	42	03.45	2.42	-96
651	6510	α Arae	2.95	B2 Vne	17	33	44.4	4.648	-32	-49	53	34.17	2.36	-70
652	6527	λ Scorpii*	1.63	B1.5 IV	17	35	16.5	4.081	-1	-37	07	09.08	2.19	-29
656	6556	α Ophiuchi*	2.08	A5 Vnn	17	36	04.4	2.788	+83	+12	32	38.21	-2.31	-226

* **No. 594 : *Dschubba,* Anuradha**
No. 597 : *Graffias,* Mag. 2.9, 5.1
No. 616 : *Antares* , Jyestha, Mag. 0.9 to 1.8.
No. 625 : *Atria.*
No. 652 : *Schaula* , Mula.
No. 656 : *Ras Alhague.*

MEAN PLACES OF STARS, J 2024.5

FOR JULY 2^{d}.125 TERRESTRIAL TIME

(The Annual Variations are for the middle of the year)

Cat. No. FK5	BS =HR No.	Star	Mag.	Spec-tral Type	Right Ascension			Annual Variation	Annual Proper motion	Declination			Annual Variation	Annual Proper motion
					h	m	s	s	s (0.0001)	°	'	"	"	" (0.001)
658	6561	ξ Serpentis	3.54	F0 IIIb	17	38	59.5	3.439	-29	-15	24	42.65	-1.89	-58
654	6553	θ Scorpii	1.87	F1 III	17	39	04.9	4.318	+14	-43	00	38.89	1.83	-2
663	6588	ι Herculis	3.80	B3 IV	17	40	09.5	1.697	-5	+45	59	39.83	1.73	+5
660	6580	κ Scorpii	2.41	B1.5 III	17	44	11.1	4.156	-5	-39	02	24.41	1.41	-27
665	6603	β Ophiuchi	2.77	K2 III CN 0.5	17	44	41.0	2.966	-27	+4	33	32.08	1.18	159
667	6623	μ Herculis	3.42	G5IV	17	47	25.1	2.352	-232	+27	42	27.97	1.85	-752
661	6582	η Pavonis	3.62	K1 IIIa CN I	17	48	08.5	5.900	-21	-64	43	55.07	-1.09	-54
668	6629	γ Ophiuchi	3.75	A0 Van	17	49	07.3	3.011	-14	+2	41	59.77	1.02	-74
666	6615	ι' Scorpii	3.03	F2 Ia	17	49	18.0	4.201	0	-40	08	02.31	0.94	-8
669	6630	*G* Scorpii	3.21	K2 III	17	51	31.6	4.087	+41	-37	02	54.98	0.71	+33
671	6688	ξ Draconis	3.75	K2 III	17	53	57.2	1.040	+114	+56	52	10.11	0.45	+80
672	6695	θ Herculis	3.86	K1 IIa CN2	17	57	05.6	2.060	+4	+37	14	54.93	0.25	+6
676	6705	γ Draconis*	2.23	K5 III	17	57	10.6	1.396	-8	+51	29	13.07	-0.27	-19
674	6703	ξ Herculis	3.70	G8.5 III	17	58	43.1	2.334	+64	+29	14	48.28	0.13	-17
673	6698	ν Ophiuchi	3.34	G 9 IIIa	18	00	22.6	3.305	-4	-9	46	28.58	-0.08	-116
677	6714	67 Ophiuchi	3.97	B5 Ib	18	01	52.4	3.007	+1	+2	55	56.09	+0.16	-8
679	6746	γ Sagittarii	2.99	K0^{-} III	18	07	22.9	3.855	-41	-30	25	17.10	0.46	-185
1471	6743	θ Arae	3.66	B2 Ib	18	08	32.3	4.670	-10	-50	05	13.67	0.73	-14
680	6771	72 Ophiuchi	3.73	A5 IV-V	18	08	30.7	2.846	-41	+9	34	08.81	+0.82	+80
681	6779	*o* Herculis	3.83	A0 II-III	18	08	29.9	2.342	+1	+28	46	02.42	0.75	+10
682	6812	μ Sagittarii	3.86	B9 Ia	18	15	13.7	3.589	+1	-21	03	00.72	1.33	+1
683	6832	η Sagittarii	3.11	M3.5 IIIab	18	19	17.1	4.059	-106	-36	45	06.74	1.52	-167
695	6927	χ Draconis	3.57	F7 V	18	20	36.7	-1.088	+1201	+72	44	34.39	1.45	-345
687	6859	δ Sagittarii*	2.70	K2.5 IIIa CN 0.5	18	22	33.7	3.840	+27	-29	48	55.42	1.94	-28
688	6869	η Serpentis	3.26	K0 III-IV	18	22	34.7	3.106	-364	-2	53	25.97	+1.27	-702
690	6895	109 Herculis	3.84	K2 IIIab	18	24	44.6	2.559	+141	+21	46	56.95	1.92	-242
689	6879	ε Sagittarii*	1.85	A0 II^{-}n(shell)	18	25	47.9	3.980	-31	-34	22	14.35	2.13	-124
691	6897	α Telescopii	3.51	B3 IV	18	28	47.3	4.444	-15	-45	57	08.16	2.46	-54
692	6913	λ Sagittarii	2.81	K1 IIIb	18	29	28.9	3.702	-32	-25	24	21.30	2.39	-185
697	6951	θ Coronae Aust.	4.64	G8 III	18	35	15.0	4.279	+28	-42	17	32.26	3.05	-22
1482	6973	α Scuti	3.85	K3 III	18	36	32.4	3.265	-10	-8	13	29.73	+2.87	-312
699	7001	α Lyrae*	0.03	A0 Va	18	37	46.1	2.033	+172	+38	48	27.86	3.57	+287
1487	7039	φ Sagittarii	3.17	B8 III	18	47	11.2	3.745	+40	-26	57	48.03	4.10	+1
1489	7063	β Scuti	4.22	G4 IIa	18	48	28.5	3.183	-3	-4	43	11.04	4.19	-16
705	7106	β Lyrae*	3.45	B7 Vpe(shell)	18	50	59.1	2.217	+3	+33	23	32.97	4.42	-3
706	7121	σ Sagittarii*	2.02	B3 IV	18	56	47.0	3.716	+10	-26	15	50.72	4.86	-54
710	7150	ξ^{2} Sagittarii	3.51	K1 III	18	59	11.4	3.575	+24	-21	04	20.36	+5.11	-12
713	7178	γ Lyrae	3.24	B9 II	18	59	51.6	2.246	-2	+32	43	28.33	5.18	+2
712	7176	ε Aquilae	4.02	K1^{-}III CN 0.5	19	00	44.1	2.724	-35	+15	06	11.46	5.18	-74
716	7235	ζ Aquilae	2.99	A0 Vann	19	06	32.2	2.758	-3	+13	54	05.48	5.64	-96
717	7236	λ Aquilae	3.44	A0 IVp(wk 4481)	19	07	32.9	3.183	-11	-4	50	38.04	5.73	-90
1496	7234	τ Sagittarii	3.32	K1.5 IIIb	19	08	28.1	3.740	-40	-27	37	56.75	+5.65	-251

No. 676 : *Eltanin.*
No. 687 : Purvasadha-1.
No. 689 : *Kaus Australis* , Purvasadha-2.
No. 699 : *Vega* , Abhijit.
No. 705 : Sheliak Mag. 3.3 to 4.3.
No. 706 : *Nunki* , Uttarasadha.

MEAN PLACES OF STARS, J 2024.5

FOR JULY 2^{d}.1255 TERRESTRIAL TIME

(The Annual Variations are for the middle of the year)

Cat. No. FK5	BS =HR No.	Star	Mag.	Spec-tral Type	Right Ascension			Annual Variation	Annual Proper motion	Declination			Annual Variation	Annual Proper motion
					h	m	s	s	s (0.0001)	°	'	"	"	" (0.001)
720	7264	π Sagittarii	2.89	F2 II-III	19	11	13.2	3.563	0	-20	58	57.27	+6.09	-35
723	7310	δ Draconis	3.07	G9 III	19	12	33.2	-0.005	+164	+67	42	16.71	6.33	+93
726	7328	κ Cygni	3.77	G9 III	19	17	40.1	1.384	+65	+53	24	52.27	6.79	+125
730	7377	δ Aquilae	3.36	F2 IV-V	19	26	44.0	3.024	+171	+3	09	55.38	7.49	+83
1508	7405	α Vulpeculae	4.44	M0.5 IIIb	19	29	43.5	2.498	-92	+24	42	57.41	7.54	-106
733	7420	ι Cygni	3.79	A4 V	19	30	19.4	1.511	+21	+51	46	58.38	7.83	+130
732	7417	β Cygni*p*	3.08	K3 II + B9.5 V	19	31	42.6	2.421	+2	+28	00	45.10	+7.81	-2
1513	7488	β Sagittae	4.37	G8 IIIa CN 0.5	19	42	09.0	2.695	+7	+17	32	03.58	8.61	-32
741	7525	γ Aquilae	2.72	K3 II	19	47	25.5	2.852	+12	+10	40	28.44	9.05	-2
743	7536	δ Sagittae	3.82	M2 II + A0 V	19	48	28.8	2.676	+5	+18	35	46.34	9.14	+8
745	7557	α Aquilae*	0.77	A7 Vnn	19	51	58.7	2.926	+362	+8	56	04.86	9.79	+387
746	7570	η Aquilae	3.90V	F6-GI Ib	19	53	43.2	3.054	+7	+1	04	12.79	9.53	-7
749	7602	β Aquilae*	3.71	G8 IV	19	56	31.0	2.946	+33	+6	28	10.38	+9.27	-482
752	7635	γ Sagittae	3.47	M0^{-} III	19	59	50.8	2.669	+46	+19	33	36.59	10.03	+24
751	7623	θ^{1} Sagittarii	4.37	B2.5 IV	20	01	19.5	3.890	+5	-35	12	28.88	10.09	-26
754	7665	δ Pavonis	3.56	G6/8 IV	20	11	06.3	5.812	+1998	-66	06	59.41	9.72	-1125
756	7710	θ Aquilae	3.23	B9.5 III^{-}	20	12	34.1	3.093	+26	-0	44	49.87	10.96	+4
757	7735	31 *o*^{2} Cygni	3.79	K2 II+ B4 V	20	14	24.2	1.890	+4	+46	48	59.98	11.09	+3
761	7754	α^{2} Capricorni*	3.57	G9III	20	19	24.7	3.322	+44	-12	28	01.92	+11.46	+4
762	7776	β Capricorni	3.08	K0 II: + A5n: V:	20	22	23.1	3.363	+29	-14	42	08.33	11.67	+2
765	7796	γ Cygni	2.20	F8 Ib	20	23	06.5	2.155	+4	+40	20	10.45	11.72	0
764	7790	α Pavonis	1.94	B2.5 V	20	27	34.2	4.700	+9	-56	39	15.44	11.94	-89
768	7852	ε Delphini	4.03	B6 III	20	34	23.0	2.866	+9	+11	23	16.61	12.48	-22
(771)	7882	β Delphini*m	3.64	F5 IV	20	38	41.9	2.814	+81	+14	40	53.68	12.75	-47
769	7869	α Indi	3.11	K0 III CN-1	20	39	16.8	4.189	+52	-47	12	14.77	+12.90	+66
774	7906	α Delphini*	3.77	B9 IV	20	40	46.6	2.787	+46	+15	59	59.20	12.93	-2
777	7924	α Cygni*	1.25	A2 Ia	20	42	16.1	2.048	+3	+45	22	08.02	13.04	+2
778	7928	δ Delphini	4.43	F0m	20	44	36.2	2.801	-13	+15	09	49.55	13.14	-43
783	7957	η Cephei	3.43	K0 IV	20	45	47.0	1.209	+119	+61	56	04.33	14.08	+819
775	7913	β Pavonis	3.42	A6 IV^{-}	20	47	08.1	5.317	-76	-66	06	45.72	13.37	+11
780	7949	ε Cygni	2.46	K0 III	20	47	12.2	2.431	+286	+34	03	47.46	+13.69	+329
1541	7948	γ Delphini sq	4.27	K1 IV	20	47	47.7	2.784	-22	+16	12	49.93	13.20	-197
781	7950	ε Aquarii	3.77	A1 III^{-}	20	49	00.0	3.242	+24	-9	24	16.48	13.44	-34
1547	7990	μ Aquarii	4.73	F2m	20	53	58.4	3.230	+30	-8	53	23.74	13.76	-30
785	7986	β Indi	3.65	K1 II	20	56	42.3	4.633	+21	-58	21	34.91	13.94	-26
1550	8039	γ Microscopii	4.67	G8 III	21	02	47.3	3.662	-2	-32	09	37.51	14.35	+5
792	8079	ξ Cygni	3.72	K4.5 Ib-II	21	05	49.4	2.187	+8	+44	01	35.57	+14.53	+1
797	8115	ζ Cygni	3.20	G8^{+} III-IIIa Ba 0.5	21	13	58.8	2.557	+1	+30	19	42.69	14.95	-56
800	8131	α Equulei	3.92	G2 II-III + A4 V	21	17	02.9	2.998	+39	+5	21	01.30	15.10	-88
803	8162	α Cephei*	2.44	A7 V^{+} n	21	19	09.7	1.427	+219	+62	41	23.89	15.36	+50
806	8204	ζ Capricorni	3.74	G4 Ib: Ba 2	21	28	03.7	3.413	+1	-22	18	14.14	+15.82	+23

* **No. 732 : *Albireo* ., Mag. *f*. 5.4.**
No. 745 : *Altair* , Sravana.
No. 749 : *Alshain* .
No. 761 : Giedi or Algedi.
No. 771 : *Rotanev* , Dhanistha-1.
No. 774 : *Saulocin,* Dhanistha-2.
No. 777 : *Deneb.*
No. 803 : *Alderamin.*

MEAN PLACES OF STARS, J 2024.5

FOR JULY $2^d.125$ TERRESTRIAL TIME

(The Annual Variations are for the middle of the year)

Cat. No. FK5	BS =HR No.	Star	Mag.	Spec-tral Type	Right Ascension			Annual Variation	Annual Proper motion	Declination			Annual Variation	Annual Proper motion
					h	m	s	s	s (0.0001)	°	'	"	"	" (0.001)
809	8238	β Cephei	3.23	B1 III	21	28	58.0	0.745	+21	+70	40	06.79	+15.85	+7
808	8232	β Aquarii*	2.91	G0 Ib	21	32	50.8	3.153	+14	-5	27	44.04	16.04	-8
1569	8264	ξ Aquarii	4.69	A5 Vn	21	39	03.2	3.188	+78	-7	44	35.56	16.34	-25
812	8278	γ Capricorni	3.68	A7 m:	21	41	26.7	3.314	+132	-16	33	01.80	16.47	-23
810	8254	ν Octantis	3.76	K0 III	21	44	06.3	6.397	+141	-77	16	44.44	16.38	-240
815	8308	ε Pegasi*	2.34	K2 Ib-II	21	45	23.4	2.947	+21	+9	59	17.93	16.68	-1
819	8322	δ Capricorni	2.87	F2m	21	48	23.4	3.302	+183	-16	00	54.05	+16.53	-296
822	8353	γ Gruis	3.01	B8 IV-Vs	21	55	24.3	3.609	+86	-37	14	54.70	17.13	-21
827	8414	α Aquarii*	2.96	G2 Ib	22	07	02.5	3.079	+13	-0	11	59.76	17.65	-10
831	8430	ι Pegasi	3.76	F5 V	22	08	09.2	2.799	+220	+25	27	56.06	17.73	+25
829	8425	α Gruis*	1.74	B7 Vn	22	09	45.9	3.747	+126	-46	50	28.73	17.62	-151
834	8450	θ Pegasi	3.53	A2m AI IV-V	22	11	26.1	3.026	+185	+6	19	09.28	17.86	+27
836	8465	ζ Cephei	3.35	K1.5 Ib	22	11	42.5	2.092	+19	+58	19	21.41	+17.85	+4
841	8502	α Tucanae	2.86	K3 III	22	20	09.5	4.048	-96	-60	08	11.23	18.13	-43
842	8518	γ Aquarii	3.84	B9.5 III-IV	22	22	55.2	3.096	+88	-1	15	47.19	18.28	+7
846	8556	δ^1 Gruis	3.97	G6/8 III	22	30	43.5	3.557	+26	-43	22	10.60	18.53	-5
848	8585	α Lacertae	3.77	A1 Va	22	32	18.4	2.487	+144	+50	24	32.62	18.61	+19
849	8592	ν Aquarii	5.20	F5 V	22	36	01.8	3.271	+158	-20	34	55.17	18.57	-144
850	8597	η Aquarii	4.02	B9 IV-V:n	22	36	36.9	3.081	+61	+0	00	34.02	+18.67	-56
855	8634	ζ Pegasi	3.40	B8.5 III	22	42	41.1	2.995	+55	+10	57	35.46	18.90	-12
856	8636	β Gruis	2.10	M4.5 III	22	44	07.2	3.551	+133	-46	45	21.04	18.94	-8
857	8650	η Pegasi	2.94	G8 II + F0V	22	44	09.3	2.822	+11	+30	20	59.88	18.93	-25
860	8675	ε Gruis	3.49	A2 Va	22	50	01.3	3.586	+115	-51	11	14.64	19.04	-71
863	8694	ι Cephei	3.52	$K0^-$ III	22	50	33.5	2.155	-108	+66	19	46.83	19.00	-125
861	8679	τ Aquarii	4.01	M0 III	22	50	53.2	3.170	-8	-13	27	45.91	+19.10	-38
862	8684	μ Pegasi	3.48	$G8^+$ III	22	51	11.3	2.904	+108	+24	43	53.37	19.10	-42
864	8698	λ Aquarii*	3.74	M2.5 III Fe-0.5	22	53	53.5	3.126	+8	-7	26	55.34	19.25	+37
866	8709	δ Aquarii	3.27	A3 IV-V	22	55	56.9	3.176	-28	-15	41	23.98	19.24	-25
867	8728	α PsA*	1.16	A3 Va	22	58	60.0	3.300	+255	-29	29	30.78	19.17	-164
869	8762	*o* Andromedae	3.62	B6 pe (shell)	23	03	03.2	2.777	+20	+42	27	29.00	19.42	-6
870	8775	β Pegasi*	2.42	M2.5 II-III	23	04	57.9	2.919	+143	+28	12	58.10	+19.60	+138
871	8781	α Pegasi*	2.49	A0 III-IV	23	05	59.0	2.994	+44	+15	20	15.01	19.44	-42
873	8812	88 Aquarii	3.66	K1.5 III	23	10	45.0	3.189	+40	-21	02	20.43	19.61	+31
878	8852	γ Piscium	3.69	G9 III: Fe-2	23	18	26.2	3.112	+509	+3	24	59.33	19.73	+17
890	8961	λ Andromedae	3.82v	G8 III-IV	23	38	46.3	2.960	+157	+46	35	27.92	19.53	-421
893	8974	γ Cephei	3.21	K1 III-IV CN 1	23	40	22.5	2.527	-213	+77	46	09.63	20.12	+151
902	9072	ω Piscium	4.01	F4V	0	00	34.3	3.086	+103	+6	59	56.03	+19.93	-115

BS = Bright Star Catalogue HR = Havard Revised Catalogue FK5 = Fifth Fundamental Catalogue

* **No. 808 : *Sadalsuud.***
No. 815 : *Enif*. Mag. 0.7 to 3.5.
No. 827 : *Sadalmelik.*
No. 829 : *Al Nair.*
No. 864 : Satabhisaj.
No. 867 : *Fomalhaut*.
No. 870 : *Scheat*, Purva Bhadrapada-2.
No. 871 : *Markab*, Purva Bhadrapada-1.