

**MEAN PLACES OF STARS, J 2026.5**  
 FOR JULY 2<sup>d</sup>.375 TERRESTRIAL TIME  
 (The Annual Variations are for the middle of the year)

Cat. No. FK5	BS =HR No.	Star	Mag.	Spectral Type	Right Ascension			Annual Variation	Annual Proper motion	Declination			Annual Variation	Annual Proper motion
					h	m	s			°	'	"		
1	15	α Ανδρομεδαε	2.06	B9p Hg Mn	0	09	45.8	+3.118	+104	+29	14	11.95	+19.86	-163
2	21	β Χασσιοπεια	2.27	F2 III	0	10	36.6	+3.248	+686	+59	17	45.00	19.84	-181
3	25	ε Πηοενιχις	3.88	K0 III	0	10	44.9	+3.023	+118	-45	37	04.99	19.84	-181
7	39	γ Pegasi*	2.83	B2 IV	0	14	36.2	+3.099	+2	+15	19	50.61	19.99	-12
9	74	ι Χετι	3.56	K1 IIIb	0	20	46.7	+3.056	-9	-8	41	38.03	19.92	-36
11	98	β Ηψορι	2.80	G1 IV	0	27	06.3	+3.048	+6616	-77	07	19.24	20.22	+324
12	99	α Πηοενιχις	2.39	K0 III b	0	27	35.2	+2.948	+183	-42	10	44.85	+19.50	-396
17	153	ζ Χασσιοπεια	3.66	B2 IV	0	38	27.8	+3.385	+22	+54	02	32.61	19.75	-9
20	165	δ Andromedae	3.27	K3 III	0	40	45.2	+3.228	+106	+31	00	20.03	19.63	-92
21	168	α Χασσιοπεια	2.23	K0- IIIa	0	42	01.7	+3.452	+64	+56	40	56.14	19.67	-32
22	188	β Χετι*	2.04	CH-1 CN 0	0	44	55.1	+3.008	+164	-17	51	29.72	19.69	+32
33	269	μ Ανδρομεδαε	3.87	A5 IV-V	0	58	14.1	+3.357	+130	+38	38	32.95	19.43	+33
32	264	γ Cassiopeiae*	2.50	IVnp(shell)	0	58	19.8	+3.682	+36	+60	51	34.52	+19.39	-5
35	280	α Σχυλπτορις	4.31	B4 Vp	0	59	52.8	+2.884	+17	-29	13	53.33	19.36	+4
40	334	η Χετι	3.45	K2-III CN0.	1	09	55.4	+3.019	+147	-10	03	32.79	18.98	-138
42	337	β Ανδρομεδαε	2.06	M0+IIIa	1	11	13.5	+3.384	+146	+35	45	37.14	18.97	-114
###	361	ζ Πισχυμ*	5.24	F0Vn	1	15	07.2	+3.143	+97	+7	42	53.04	18.92	-56
47	402	θ Ceti	3.60	K0 IIIb	1	25	20.9	+3.001	-53	-8	03	50.82	18.45	-218
48	403	δ Cassiopeiae	2.68	A5 IV	1	27	34.4	+3.992	+401	+60	22	19.16	+18.54	-52
49	429	γ Phoenicis	3.41	M0- IIIa	1	29	30.8	+2.597	-13	-43	11	59.57	18.32	-208
###	440	δ Phoenicis	3.95	G9 III	1	32	21.1	+2.489	+144	-48	57	08.69	18.59	+151
50	437	η Πισχυμ	3.62	G7 IIIa	1	32	54.4	+3.223	+19	+15	28	53.38	18.41	-6
54	472	α Eridani*	0.46	B3Vnp(shell)	1	38	41.9	+2.225	+117	-57	07	10.01	18.18	-35
52	464	51 Andromedae	3.57	K3- III	1	39	38.1	+3.724	+65	+48	45	41.05	18.06	-113
59	509	τ Χετι	3.50	G8 V	1	45	18.0	+2.789	-1190	-15	48	55.50	+18.82	+859
62	539	ζ Χετι	3.73	K0 III	1	52	46.2	+2.965	+28	-10	13	18.42	17.62	-39
64	544	α Τριανγυλι	3.41	F6 IV	1	54	36.0	+3.442	+8	+29	42	24.52	17.35	-235
66	553	β Αριετις*	2.64	A4 V	1	56	06.6	+3.330	+68	+20	56	11.10	17.41	-111
63	542	ε Χασσιοπεια	3.38	B3 IV:p(shell)	1	56	19.9	+4.400	+48	+63	47	56.96	17.49	-21
68	566	χ Eridani	3.70	B1-IVCN-0.5	1	56	59.2	+2.328	+729	-51	29	40.27	17.78	+291
72	591	α Ηψορι	2.86	F0n III-IV	1	59	36.3	+1.889	+368	-61	27	29.83	+17.40	+26
71	585	ν Χετι	4.00	M0 IIIb	2	01	15.2	+2.827	+97	-20	58	01.61	17.28	-24
73	580	50 Cassiopeiae	3.98	A1 Va	2	05	32.3	+3.716	+40	+42	27	20.01	17.06	-52
70	603	γ Andromed.*	2.26	K3- Iib	2	05	45.4	+5.282	-99	+72	32	51.82	17.12	+22
74	617	α Αριετις*	2.00	K2 IIIab	2	08	40.4	+3.400	+138	+23	35	11.23	16.82	-149
75	622	β Τριανγυλι	3.00	A5 IV	2	11	07.8	+3.596	+122	+35	06	40.68	16.81	-41
82	674	φ Eridani	3.56	B8 V	2	17	27.4	+2.141	+102	-51	24	25.72	+16.52	-27
79	664	γ Trianguli	4.01	A0 IV-Vn	2	18	54.0	+3.592	+38	+33	58	06.20	16.42	-51
91	779	δ Χετι	4.07	B2 IV	2	40	50.6	+3.083	+9	+0	26	29.09	+15.30	-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*

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					h	m	s			°	'	"			
###	794	ι Eridani	4.11	O5 IIIb Fe-C	2	41	42.8	+2.367	+119	-39	45	35.30	+15.22	(0.001)	-32
94	801	35 Arietis	4.66	B3 V	2	45	00.9	+3.541	+6	+27	49	05.85	15.05		-12
101	841	β Fornacis	4.46	8.5 III Fe-0	2	50	12.0	+2.512	+71	-32	18	45.16	14.92		+155
100	838	41 Arietis*	3.63	B8 Vn	2	51	33.1	+3.551	+50	+27	22	05.07	14.57		-118
99	834	η Persei	3.76	K3 Ib-IIa	2	52	39.0	+4.433	+20	+56	00	12.37	14.60		-14
103	854	τ Persei	3.95	5 III + A4	2	56	09.3	+4.302	-0	+52	52	08.13	14.40		-5
104	874	η Eridani	3.89	K1 IIIb	2	57	43.4	+2.936	+53	-8	48	38.90	+14.09		-220
106	897	θ Eridani* p	3.25	A5 IV	2	59	16.0	+2.276	-39	-40	12	58.88	14.24		+20
###	919	τ <sup>+</sup> Eridani	4.09	A4 V	3	03	33.7	+2.647	-105	-23	32	18.77	13.90		-53
107	911	α Ceti*	2.53	M1.5 IIIa	3	03	40.1	+3.145	-6	+4	11	31.51	13.86		-78
907	424	α Ursae Mins.*	2.02	F5-8 Ib	3	06	42.0	+92.155	+2174	+89	22	24.04	13.73		-21
108	915	γ Persei	2.93	5 III + A2	3	06	44.0	+4.394	-0	+53	36	29.15	13.74		-5
109	921	ρ Persei*	3.4	M4 II	3	06	53.1	+3.873	+111	+38	56	27.75	+13.63		-106
111	936	β Persei*	2.1	B8 V + F:	3	09	54.2	+3.933	+3	+41	03	20.86	13.54		-1
120	1017	α Persei*	1.79	F5 Ib	3	26	13.8	+4.323	+25	+49	57	11.62	12.44		-25
121	1030	ο Tauri	3.60	G6 IIIa Fe-1	3	26	14.6	+3.239	-45	+9	07	13.28	12.38		-78
123	1038	ξ Tauri	3.74	B9 Vn	3	28	36.6	+3.262	+40	+9	49	23.88	12.26		-39
127	1084	ε Eridani	3.73	K2 V	3	34	10.9	+2.832	-658	-9	23	12.39	11.93		+23
135	1136	δ Eridani	3.54	K0 IV	3	44	31.2	+2.880	-61	-9	41	31.29	+11.91		+745
141	1175	β Reticuli	3.85	K2 III	3	44	32.4	+0.775	+489	-64	44	26.80	11.24		+74
131	1122	δ Persei	3.01	B5 III	3	44	49.5	+4.306	+28	+47	52	11.63	11.11		-34
136	1142	17 Tauri	3.70	B6 III	3	46	27.3	+3.578	+14	+24	11	40.57	10.98		-46
146	1208	γ Hydri	3.24	M2 III	3	46	51.5	+0.849	+117	-74	10	26.14	11.11		+114
134	1135	ν Persei	3.77	F5 II	3	47	00.3	+4.104	-13	+42	39	35.61	10.99		-2
139	1165	η Tauri*	2.87	B7 III <sub>n</sub>	3	49	03.9	+3.582	+14	+24	11	05.89	+10.79		-46
142	1178	27 Tauri	3.63	B8 III	3	50	44.6	+3.583	+13	+24	07	56.46	10.67		-47
144	1203	ζ Persei	2.85	B1 Ib	3	55	48.3	+3.790	+4	+31	57	36.33	10.33		-10
149	1231	γ Eridani	2.95	O5 IIIb Ca	3	59	16.0	+2.804	+42	-13	27	05.40	09.96		-112
147	1220	ε Persei	2.89	B0.5 IV	3	59	38.5	+4.050	+16	+40	05	04.10	10.02		-26
148	1228	ξ Persei	4.04	O 7.5 III <sub>f</sub>	4	00	41.5	+3.914	+2	+35	51	53.49	09.97		+0
150	1239	λ Tauri	3.47	v B3 V	4	02	09.1	+3.334	-4	+12	33	47.62	+09.84		-12
151	1251	ν Tauri	3.91	A1 Va	4	04	34.1	+3.200	+3	+6	03	39.16	09.67		-3
152	1273	48 Persei	4.04	B3 Ve	4	10	35.8	+4.385	+20	+47	46	50.28	09.18		-31
156	1336	α Reticuli	3.35	G8II-III	4	14	46.4	+0.790	+65	-62	25	28.92	08.93		+45
155	1326	α Horologii	3.86	K2 III	4	14	52.9	+1.992	+41	-42	14	49.46	08.66		-209
159	1346	γ Tauri	3.65	5 IIIab CN	4	21	18.3	+3.424	+80	+15	41	22.05	08.34		-25
162	1373	δ Tauri	3.76	9.5 III CN 0	4	24	28.0	+3.471	+75	+17	36	08.85	+08.08		-30
###	1393	43 Eridani	3.96	K3.5 IIIb	4	25	02.0	+2.257	+56	-33	58	24.53	08.12		+50
164	1409	ε Tauri	3.54	9.5 III CN 0	4	30	10.1	+3.514	+76	+19	14	13.01	07.62		-38
171	1465	α Doradus	3.27	A0p Si	4	34	34.3	+1.305	+60	-54	60	28.27	07.29		-4
170	1464	ν <sup>-</sup> Eridani	3.82	G8.5 IIIa	4	36	34.9	+2.336	-35	-30	31	34.55	+07.12		-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.*

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					h	m	s			°	'	"		
168	1457	$\alpha$ Tauri*	0.85	K5 III	4	37	26.7	+3.452	(0.0001) +44	+16	33	37.22	+06.87	(0.001) -190
172	1481	53 Eridani	3.87	K1.5IIIb	4	39	23.7	+2.752	-52	-14	16	13.96	06.75	-155
###	1502	$\alpha$ Caeli	4.45	F1 V	4	41	25.0	+1.937	-126	-41	49	52.27	06.66	-77
###	1543	$\pi$ Orionis	3.19	F6 V	4	51	16.9	+3.264	+313	+7	00	19.30	05.93	+10
179	1552	$\pi$ Orionis	3.69	B2 III	4	52	37.2	+3.202	-1	+5	38	53.80	05.81	+1
180	1567	$\pi$ Orionis	3.72	B2 III	4	55	38.0	+3.131	+0	+2	28	55.08	05.55	-0
178	1542	$\alpha$ Camelopardi	4.29	O9.5 Ia	4	56	42.2	+6.015	-1	+66	23	01.57	+05.47	+6
181	1577	$\iota$ Aurigae	2.69	K3 II	4	58	43.4	+3.919	+3	+33	12	19.70	05.28	-18
183	1605	$\epsilon$ Aurigae*	0.99V	A9 Ia	5	03	52.6	+4.321	-1	+43	51	34.64	04.86	-4
###	1612	$\zeta$ Aurigae	3.8	K5II + B5 V	5	04	20.1	+4.208	+8	+41	06	42.20	04.80	-22
182	1603	$\beta$ Camelopardi	4	G1 Ib-Ia	5	05	47.2	+5.368	-9	+60	28	38.75	04.68	-16
186	1654	$\epsilon$ Leporis	3.2	K4 III	5	06	35.0	+2.543	+18	-22	21	13.82	04.55	-74
185	1641	$\eta$ Aurigae	3.2	B3 V	5	08	22.7	+4.221	+26	+41	16	03.08	+04.41	-68
188	1666	$\mu$ Eridani*	2.8	A3 IVn	5	09	09.2	+2.954	-63	-5	04	15.03	04.33	-81
###	1702	$\mu$ Leporis	3.3	B9p Hg Mn	5	14	07.4	+2.699	+30	-16	11	33.70	03.96	-26
194	1713	$\beta$ Orionis*	0.12	B8 Ia	5	15	48.8	+2.887	+0	-8	11	22.80	03.84	-1
193	1708	$\alpha$ Aurigae*	0.08	G6 III + G2 I	5	18	39.1	+4.445	+71	+46	01	19.18	03.17	-425
195	1735	$\tau$ Orionis	3.60	B5 III	5	18	53.7	+2.917	-10	-6	50	03.86	03.57	-8
###	1765	22 Orionis	4.73	B2 IV-V	5	23	07.5	+3.085	-0	+0	24	23.69	+03.21	-1
201	1790	$\gamma$ Orionis*	1.64	B2 III	5	26	33.2	+3.222	-6	+6	22	17.24	02.90	-14
202	1791	$\beta$ Tauri*	1.65	B7 III	5	27	58.2	+3.799	+17	+28	37	37.94	02.62	-175
204	1829	$\beta$ Leporis	2.84	G5 II	5	29	22.9	+2.574	-3	-20	45	24.39	02.58	-89
214	1953	$\gamma$ Mensae	5.19	K2 III	5	30	50.8	+2.337	+322	-76	20	13.99	02.82	+281
206	1852	$\delta$ Orionis*	2.23	O9.5 II	5	33	22.1	+3.083	+1	+0	18	59.97	02.32	-2
212	1922	$\beta$ Doradus	3.76v	F7-G2 Ib	5	33	51.5	+0.529	+3	-62	29	22.53	+02.29	+9
207	1865	$\alpha$ Leporis*	2.58	F0 Ib	5	33	54.0	+2.649	+1	-17	49	18.51	02.28	+2
(GC)	1879	$\lambda$ Orionis*	3.5	O8 IIIf	5	36	35.9	+3.309	-1	+9	56	58.74	02.04	-2
209	1899	$\iota$ Orionis	2.77	O9 III	5	36	43.8	+2.938	+0	-5	54	40.25	02.03	+1
210	1903	$\epsilon$ Orionis*	1.70	B0 Ia	5	37	33.6	+3.048	+1	-1	12	13.61	01.96	-2
211	1910	$\zeta$ Tauri	3.00	B2 IIIpe (shel)	5	39	13.8	+3.590	+0	+21	09	22.40	01.79	-21
215	1956	$\alpha$ Columbae*	2.64	B7 IV	5	40	36.6	+2.176	+5	-34	04	41.71	+01.67	-26
###	2015	$\delta$ Doradus	4.35	A7 V n	5	44	49.4	+0.114	-49	-65	44	32.53	01.33	+8
217	1983	$\gamma$ Leporis	3.60	F7 V	5	45	34.1	+2.504	-212	-22	27	29.40	00.89	-369
219	1998	$\zeta$ Leporis	3.55	A2 Van	5	48	09.4	+2.721	-11	-14	49	50.31	01.03	-1
220	2004	$\kappa$ Orionis*	2.06	B0.5 Ia	5	49	00.9	+2.848	+1	-9	40	43.91	00.96	-2
223	2040	$\beta$ Columbae	3.12	K1.5 III	5	51	53.7	+2.119	+49	-35	46	35.70	01.11	+401
222	2035	$\delta$ Leporis	3.81	II Fe 1.5 CH	5	52	27.7	+2.582	+161	-20	53	43.31	+00.01	-650
224	2061	$\alpha$ Orionis*	0.5	M1 M2 Ia Ia	5	56	36.4	+3.251	+17	+7	24	35.10	+00.31	+9

\* No. 168 : *Aldebaran*, Rohini  
 No. 183 : Mag. 2.9 to 3.8.  
 No. 188 : *Cursa*.  
 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 Ard

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					h	m	s			°	'	"		
226	2085	η Leporis	3.71	F1 V	5	57	36.8	+2.735	(0.0001) -28	-14	10	53.25	+0.35	" (0.001) +139
229	2120	η Columbae	3.96	G8/K1 II	5	59	57.5	+1.840	+20	-42	49	54.18	-0.01	-14
227	2088	β Aurigae*	1.90	A1 IV	6	01	28.4	+4.404	-54	+44	56	49.63	00.13	+1
225	2077	δ Aurigae*	3.72	K0 III	6	01	42.6	+4.943	+92	+54	17	00.19	00.28	-126
###	2134	ι Geminorum	4.16	G5 III-IV	6	05	43.9	+3.649	-6	+23	15	34.09	00.60	-100
###	2219	κ Aurigae	4.35	G9 IIIb	6	17	04.0	+3.823	-57	+29	29	08.44	01.75	-262
240	2282	ζ Canis Maj.	3.02	B2.5 V	6	21	19.9	+2.306	+7	-30	05	36.38	-01.86	+3
243	2294	β Canis Maj.*	1.98	B1 II-III	6	23	52.0	+2.644	-4	-17	59	15.23	02.08	+0
245	2326	α Carinae*	-0.7	A9 II	6	24	32.5	+1.333	+25	-52	43	40.04	02.12	+21
241	2286	μ Geminorum	2.88	M3 IIIab	6	24	33.8	+3.630	+39	+22	29	50.88	02.25	-111
244	2298	δ Monocerotis	4.4	A6 IV	6	25	10.4	+3.181	-12	+4	34	37.93	02.19	+11
###	2343	ν Geminorum	4.2	B6 III	6	30	32.2	+3.562	-5	+20	11	34.44	02.68	-14
252	2451	ν Puppis	3.2	B8 III n	6	38	34.4	+1.838	+2	-43	14	13.70	-03.36	-6
251	2421	γ Geminorum*	1.9	A1 IVs	6	39	14.6	+3.465	+29	+16	22	27.58	03.46	-42
254	2473	ε Geminorum	3	G8 Ib	6	45	33.7	+3.689	-4	+25	06	08.52	03.97	-13
257	2491	α Canis Maj.* c	-1.5	A0m A1 Va	6	46	18.9	+2.643	-387	-16	46	15.19	05.23	-1204
256	2484	ξ Geminorum	3.4	F5 IV	6	46	46.6	+3.366	-79	+12	51	52.99	04.25	-191
262	2550	α Pictoris	3.3	A6 Vn	6	48	27.7	+0.612	-96	-61	59	12.99	03.94	+269
263	2553	τ Puppis	2.9	K1 III	6	50	35.6	+1.490	+38	-50	39	50.14	-04.46	-70
###	2538	κ Canis Maj.	4	B1.5 I ve	6	50	49.9	+2.243	-5	-32	33	26.21	04.40	+4
261	2540	θ Geminorum	3.60	A3 III-IV	6	54	32.0	+3.949	-2	+33	55	35.94	04.77	-48
268	2618	ε Canis Maj.*	1.50	B2 II	6	59	40.1	+2.360	+3	-29	01	34.98	05.16	+3
###	2646	σ Canis Maj.	3.5	K7 IB	7	02	46.5	+2.392	-4	-27	59	27.81	05.42	+5
270	2653	ο Canis Maj.	3	B3 Ia	7	04	07.9	+2.507	-3	-23	53	25.33	05.53	+3
269	2650	ζ Geminorum* 3	3.79v	F9 Ib (var)	7	05	40.7	+3.555	-6	+20	31	44.60	-05.67	-0
###	2736	γ Volantis	3.8	G9 III	7	08	30.8	+0.534	+48	-70	33	30.20	05.80	+106
273	2693	δ Canis Maj.	1.9	F8 Ia	7	09	28.2	+2.441	-2	-26	27	12.78	05.98	+4
###	2714	22δ Monocerot	4.2	A1 III	7	13	13.6	+3.085	-1	+0	26	48.81	06.29	+5
281	2803	δ Volantis	4	F9 Ib	7	16	48.6	+0.049	-12	-68	01	20.61	06.59	+5
278	2773	π Puppis	2.70	K3 Ib	7	18	04.7	+2.121	-8	-37	09	47.41	06.69	+4
277	2763	λ Geminorum	3.58	A4 IV	7	19	36.9	+3.444	-33	+16	29	25.19	-06.86	-36
279	2777	δ Geminorum	3.53	F0 V	7	21	42.2	+3.578	-19	+21	55	52.33	07.01	-12
283	2827	η Canis Maj.	2.45	B5 Ia	7	25	08.6	+2.375	-3	-29	22	22.76	07.27	+5
282	2821	ι Geminorum	3.79	G9 IIIb	7	27	22.2	+3.718	-93	+27	44	34.87	07.54	-86
285	2845	β Canis Min.*	2.90	B8 V	7	28	35.2	+3.251	-35	+8	14	01.81	07.59	-38
###	2878	ρ Puppis	3.25	K5 III	7	30	04.3	+1.905	-49	-43	22	22.84	07.49	+187
287	2891	α Gemino.* cg	1.95	Alm A2 Va	7	36	17.3	+3.819	-135	+31	49	41.08	-08.27	-98
291	2943	α C. Min.* cg	0.38	F5 IV-V	7	40	41.3	+3.137	-477	+5	09	18.53	09.55	-1021
297	3024	ζ Volantis	3.95	G9 III	7	41	28.6	+0.786	+67	-72	41	09.27	-08.57	+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  
 No. 291 : Procyon , Mag. 0.38 & 11.3.

**MEAN PLACES OF STARS, J 2026.5**  
 FOR JULY 2<sup>d</sup>.375 TERRESTRIAL TIME  
 (The Annual Variations are for the middle of the year)

Cat. No. FK5	BS =HR No.	Star	Mag.	Spectral Type	Right Ascension			Annual Variation	Annual Proper motion	Declination			Annual Variation	Annual Proper motion
					h	m	s			°	'	"		
293	2970	26α Monoceros	3.93	G9 III Fe-1	7	42	30.8	+2.866	(0.0001) -49	-9	37	53.10	-08.69	(0.001) -19
294	2985	κ Geminorum	3.57	G8 III	7	46	02.6	+3.614	-24	+24	19	55.92	09.00	-52
295	2990	β Geminorum*	1.14	K0 IIIb	7	46	56.0	+3.661	-474	+27	57	35.83	09.06	-44
###	3045	ξ Puppis	3.34	G6 Iab-Ib	7	50	24.6	+2.525	-2	-24	56	40.29	09.29	-2
301	3080	213 G. Puppis	3.73	K1/2 II + A	7	53	07.7	+2.065	-8	-40	39	43.73	09.49	+3
303	3117	χ Carinae	3.47	B3p Si	7	57	27.1	+1.524	-32	-53	04	15.62	09.81	+21
306	3165	ζ Puppis	2.25	O5 Iafn	8	04	31.0	+2.111	-24	-40	05	44.96	-10.35	+12
308	3185	ρ Puppis	2.81	F5 (Ib-II)p	8	08	40.4	+2.557	-61	-24	23	55.80	10.62	+49
309	3207	γ Velorum	1.78	WC8 + O9I	8	10	21.0	+1.850	-4	-47	25	57.00	10.79	+6
312	3249	β Cancri	3.52	K4 III Ba 0.	8	17	57.0	+3.249	-30	+9	06	07.25	11.40	-49
315	3307	ε Carinae	1.86	B: III + B2:	8	23	03.3	+1.224	-35	-59	36	44.02	11.70	+15
319	3347	β Volantis	3.77	K2 III	8	26	01.0	+0.631	-61	-66	14	32.81	12.08	-155
316	3314	Br 1197 Hydrae	3.90	A0 Va	8	26	59.0	+2.996	-44	-3	60	40.27	-12.01	-23
317	3323	ο Ursae Maj.	3.36	G5 III	8	32	26.7	+4.925	-182	+60	37	36.80	12.48	-107
321	3366	η Cancri	5.33	K3 III	8	34	14.2	+3.460	-34	+20	20	57.33	12.54	-43
###	3410	δ Hydrae	4.16	A1 Ivnn	8	39	03.4	+3.172	-44	+5	36	34.79	12.83	-7
###	3418	σ Hydrae	4.44	K1 III	8	40	08.5	+3.132	-12	+3	14	48.08	12.91	-18
###	3447	ο Velorum	3.62	B3 IV	8	41	03.2	+1.719	-24	-53	02	01.17	12.93	+20
###	3445	53 G. Velorum	3.84	F0 Ia	8	41	30.4	+1.994	+0	-46	45	38.77	-12.98	+3
327	3468	α Pyxidis	3.68	B1.5 III	8	44	39.5	+2.414	-9	-33	17	59.39	13.18	+11
###	3449	γ Cancri	4.66	A1 Va	8	44	48.9	+3.461	-76	+21	22	16.95	13.24	-39
326	3461	δ Cancri*	3.94	K0 IIIb	8	46	11.2	+3.400	-13	+18	03	18.46	13.52	-228
(329)	3482	ε Hydrae* m	3.38	G5: III + A:	8	48	10.5	+3.170	-155	+6	19	12.17	13.46	-40
328	3475	ι Cancri	4.02	G8 II-III	8	48	17.7	+3.616	-19	+28	39	40.05	13.47	-42
336	3571	108 G. Carinae	3.84	B7 II-III	8	55	38.7	+1.354	-28	-60	45	47.57	-13.86	+38
334	3547	ζ Hydrae	3.11	G9 IIIa	8	56	47.6	+3.167	-66	+5	50	35.17	13.96	+15
337	3572	α Cancri*	4.25	A5m	8	59	56.0	+3.274	+23	+11	45	12.71	14.20	-31
335	3569	ι Ursae Maj.	3.14	A7 Ivn	9	01	00.5	+4.073	-442	+47	56	08.38	14.46	-225
342	3614	97 G. Velorum	3.75	K2 III	9	05	04.2	+2.074	-44	-47	13	15.38	14.49	-13
341	3594	κ Ursae Maj.	3.60	A0 IIIIn	9	05	25.3	+4.063	-32	+47	02	59.24	14.56	-54
345	3634	λ Velorum	2.21	K4.5 Ib	9	08	58.4	+2.212	-17	-43	33	26.24	-14.70	+13
###	3627	ξ Cancri	5.14	IIIa Fe-0.5 C	9	10	52.7	+3.438	+1	+21	56	11.93	14.82	+5
348	3685	β Carinae	1.68	A1 III	9	13	28.7	+0.629	-311	-69	50	35.85	14.87	+109
347	3665	θ Hydrae	3.88	B9.5 IV (C I	9	15	44.5	+3.118	+86	+2	12	03.62	15.42	-310
351	3699	ι Carinae	2.25	A7 Ib	9	17	47.9	+1.605	-26	-59	24	13.86	15.22	+8
352	3705	α Lyncis	3.13	K7 IIIab	9	22	39.7	+3.635	-179	+34	16	44.08	15.48	+19
###	3718	θ Pyxidis	4.72	M0.5 III	9	22	40.1	+2.660	-8	-26	05	45.82	-15.51	-8
353	3734	κ Velorum*	2.50	B2 IV-V	9	22	56.1	+1.861	-10	-55	08	28.96	15.51	+9
354	3748	α Hydrae*	1.98	K3 II-III	9	28	53.4	+2.948	-9	-8	47	29.14	15.81	+33
361	3803	N Velorum	3.13	K5 III	9	32	01.7	+1.826	-39	-57	10	07.39	16.00	+4
355	3757	23 Ursae Maj.	3.67	F0 IV	9	33	35.3	+4.651	+160	+62	56	38.49	16.06	+27
358	3775	θ Ursae Maj.	3.17	F6 IV	9	34	36.8	+3.971	-1024	+51	33	17.75	-16.67	-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 2026.5**  
 FOR JULY 2<sup>d</sup>.375 TERRESTRIAL TIME  
 (The Annual Variations are for the middle of the year)

Cat. No. FK5	BS =HR No.	Star	Mag.	Spectral Type	Right Ascension			Annual Variation	Annual Proper motion	Declination			Annual Variation	Annual Proper motion
					h	m	s			°	'	"		
###	3845	ι Hydrae	3.91	K2.5 III	9	41	12.5	+3.062	<sup>s</sup> (0.0001) +32	-1	16	51.84	-16.54	" (0.001) -64
364	3849	κ Hydrae	5.06	B5 V	9	41	34.6	+2.878	-19	-14	28	13.23	16.51	-20
365	3852	ο Leonis	3.52	F5 II + A5?	9	42	33.8	+3.196	-96	+9	46	13.81	16.58	-36
367	3873	ε Leonis	2.98	G1 II	9	47	21.0	+3.392	-34	+23	39	03.27	16.79	-11
368	3888	ν Ursae Maj.	3.80	F0 IV	9	52	51.1	+4.205	-379	+58	54	45.14	17.19	-150
371	3905	μ Leonis	3.88	K3 III CN I C	9	54	15.9	+3.397	-160	+25	52	51.18	17.16	-56
375	3940	φ Velorum	3.54	B5 Ib	9	57	47.8	+2.115	-12	-54	42	40.91	-17.26	+3
###	3970	ν <sup>-</sup> Hydrae	4.60	B8 V	10	06	24.9	+2.924	-25	-13	12	38.88	17.61	+18
379	3975	η Leonis	3.52	A0 Ib	10	08	46.4	+3.262	-1	+16	37	56.53	17.73	-0
380	3982	α Leonis*	1.35	B7 Vn	10	09	46.8	+3.188	-169	+11	50	11.95	17.76	+7
381	3994	λ Hydrae	3.61	K0 III CN 0.	10	11	52.8	+2.927	-138	-12	30	09.48	17.94	-88
385	4037	ω Carinae	3.32	B8 III n	10	14	21.9	+1.420	-76	-70	11	11.75	17.94	+7
382	4023	191 G. Velorum	3.85	A2 Va	10	15	51.2	+2.530	-131	-42	16	14.78	-17.96	+45
###	4050	187 G. Carinae	3.40	K2.5 II	10	17	58.3	+2.014	-34	-61	28	55.15	18.08	+5
384	4031	ζ Leonis	3.44	F0 III	10	18	09.6	+3.324	+13	+23	17	03.27	18.10	-7
383	4033	λ Ursae Maj.	3.45	A1 IV	10	18	41.0	+3.589	-149	+42	46	51.55	18.15	-38
###	4080	204 G. Velorum	4.83	K1 III	10	23	28.1	+2.585	-20	-41	48	02.89	18.23	+56
386	4069	μ Ursae Maj.	3.05	M0 III	10	23	53.9	+3.547	-72	+41	21	54.82	18.27	+35
391	4102	ι Carinae	4.00	F2 V	10	24	54.8	+1.171	-52	-74	11	00.30	-18.37	-26
389	4094	μ Hydrae	3.81	K4 III	10	27	22.4	+2.906	-89	-16	59	20.70	18.51	-80
392	4104	α Antliae	4.25	K4.5 III	10	28	22.1	+2.755	-58	-31	13	12.50	18.45	+11
393	4114	196 G. Carinae	3.82	F0 Ib	10	28	51.4	+2.217	-17	-58	53	31.33	18.48	-0
###	4116	δ Sextantis	5.21	B9.5 V	10	30	49.4	+3.047	-32	-2	53	32.02	18.56	-14
397	4140	203 G. Carinae	3.32	B4 Vne	10	32	58.3	+2.148	-27	-61	50	19.96	18.60	+9
396	4133	ρ Leonis	3.85	B1 Iab	10	34	12.3	+3.154	-4	+9	10	09.85	-18.66	-3
401	4174	γ Chamaeleonti	4.11	M0 III	10	35	45.5	+0.648	-144	-78	45	43.11	18.69	+14
406	4199	θ Carinae	2.76	B0.5 Vp	10	43	54.5	+2.158	-35	-64	33	01.56	18.94	+10
411	4234	δ <sup>-</sup> Chamaeleont	4.45	B2.5 IV	10	45	59.7	+0.472	-201	-80	41	48.03	19.00	+8
410	4232	ν Hydrae	3.11	K5 IIIb Hδ-c	10	50	56.1	+2.966	+66	-16	20	58.68	18.94	+200
412	4247	46 Leonis Min.	3.83	K0 III-IV	10	54	47.2	+3.336	+70	+34	04	16.89	19.51	-279
###	4287	α Crateris	4.08	K0 III	11	01	04.1	+2.930	-323	-18	27	25.46	-19.25	+130
416	4295	β Ursae Maj.*	2.37	A1 IV-V	11	03	25.4	+3.574	+98	+56	14	22.99	19.40	+34
417	4301	α Ursae Maj.*	1.80	K0 IIIa	11	05	20.5	+3.643	-167	+61	36	25.83	19.54	-66
###	4337	260 G. Carinae	3.91	G4 0-Ia	11	09	43.9	+2.588	-9	-59	08	08.34	19.56	-0
420	4335	ψ Ursae Maj.	3.01	K1 III	11	11	08.6	+3.346	-60	+44	21	15.14	19.61	-28
422	4357	δ Leonis*	2.56	A4 IV	11	15	30.8	+3.181	+101	+20	22	41.04	19.79	-130
423	4359	θ Leonis*	3.34	A2 IV (Kvar)	11	15	37.7	+3.141	-42	+15	17	03.40	-19.74	-79
425	4377	ν Ursae Maj.	3.48	K3 III	11	19	54.3	+3.224	-20	+32	56	57.48	19.71	+28
426	4382	δ Crateris	3.56	B9 IIIb CH 0	11	20	40.1	+3.006	-84	-14	56	20.38	19.54	+208
433	4434	λ Draconis	3.84	M0 III Ca-1	11	32	56.9	+3.482	-73	+69	11	04.21	19.92	-17
434	4450	ξ Hydrae	3.54	G7 III	11	34	18.7	+2.966	-162	-32	01	16.16	19.95	-39
436	4467	λ Centauri	3.13	B9.5 IIn	11	37	01.0	+2.805	-61	-63	10	59.75	-19.95	-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 2026.5**  
 FOR JULY 2<sup>d</sup>.375 TERRESTRIAL TIME  
 (The Annual Variations are for the middle of the year)

Cat. No. FK5	BS =HR No.	Star	Mag.	Spectral Type	Right Ascension			Annual Variation	Annual Proper motion	Declination			Annual Variation	Annual Proper motion
					h	m	s			°	'	"		
442	4520	λ Muscae	3.64	A7 IV	11	46	52.5	+2.879	-174	-66	53	32.64	-19.97	+37
441	4518	χ Ursae Maj.	3.71	K0.5 IIIb	11	47	26.4	+3.142	-136	+47	37	56.46	19.98	+30
###	4527	93 Leonis*	4.53v	III-IV + A7	11	49	21.0	+3.088	-106	+20	04	17.57	20.02	-3
444	4534	β Leonis*	2.14	A3 Va	11	50	24.6	+3.056	-342	+14	25	25.75	20.14	-114
445	4540	β Virginis	3.61	F9 V	11	52	04.6	+3.126	+495	+1	36	54.94	20.30	-271
447	4554	γ Ursae Maj.*	2.44	A0 Van	11	55	12.8	+3.124	+107	+53	32	50.48	20.02	+12
452	4621	δ Centauri	2.60	B2 IVne	12	09	44.6	+3.142	-36	-50	53	11.66	-20.03	-8
453	4630	ε Corvi	3.00	K2.5 IIIa	12	11	29.5	+3.098	-51	-22	47	01.31	20.00	+13
455	4656	δ Crucis	2.80	B2 IV	12	16	34.1	+3.230	-53	-58	54	46.16	20.00	-9
456	4660	δ Ursae Maj.*	3.31	A2 Van	12	16	43.6	+2.939	+126	+56	53	07.86	19.98	+9
457	4662	γ Corvi*	2.59	B8p Hg Mn	12	17	10.4	+3.096	-112	-17	42	20.09	19.96	+23
459	4674	β Chamaleont	4.26	B5 Vn	12	19	57.5	+3.682	-175	-79	28	32.73	19.95	+17
460	4689	η Virginis	3.89	A1 IV	12	21	15.7	+3.070	-42	+0	31	11.06	-19.97	-18
462	4730	α Crucis*A	1.33	B0.5 IV	12	28	05.6	+3.394	-53	-63	15	44.24	19.90	-12
465	4757	δ Corvi*	2.95	B9.5 IV n	12	31	14.4	+3.115	-146	-16	40	45.63	19.99	-138
468	4763	γ Crucis	1.63v	M3.5 III	12	32	39.1	+3.373	+29	-57	16	40.42	20.10	-262
469	4773	γ Muscae	3.87	B5 V	12	34	05.1	+3.682	-127	-72	17	44.22	19.82	-2
472	4787	κ Draconis	3.87v	B6 IIIpe	12	34	36.0	+2.523	-112	+69	38	32.67	19.80	+12
471	4786	β Corvi	2.65	G5 IIb	12	35	47.1	+3.166	+2	-23	33	34.64	-19.85	-54
474	4798	α Muscae	2.69	B2 IV-V	12	38	47.6	+3.661	-90	-69	17	52.13	19.77	-13
475	4813	χ Virginis	4.66	K2 III CN 1.	12	40	37.0	+3.104	-51	-8	09	27.96	19.75	-25
###	4828	ρ Virginis	4.88	A0 Va(λ Boc)	12	43	13.5	+3.037	+57	+10	05	23.76	19.78	-90
481	4853	β Crucis	1.25	B0.5 III	12	49	17.3	+3.560	-63	-59	50	59.08	19.59	-14
483	4905	ε Ursae Maj.*	1.77	A0p Cr	12	55	11.3	+2.620	+132	+55	48	59.21	19.47	-6
484	4910	δ Virginis*	3.38	M3 III	12	56	56.4	+3.025	-313	+3	15	14.13	-19.48	-54
485	4915	α CVn sq*	2.90	A0p Si Eu	12	57	15.8	+2.796	-198	+38	10	32.73	19.36	+56
488	4932	ε Virginis*	2.83	G8 IIIab	13	03	29.8	+2.987	-185	+10	49	02.13	19.26	+20
487	4923	δ Muscae	3.62	K2 III	13	04	08.2	+4.245	+544	-71	42	27.47	19.28	-20
492	4983	β Com	4.26	F9.5 V	13	13	06.5	+2.795	-604	+27	44	39.99	18.15	+881
495	5020	γ Hydrae	3.00	G8 IIIa	13	20	22.1	+3.278	+47	-23	19	38.21	18.87	-45
496	5028	ι Centauri	2.75	A2 Va	13	22	05.8	+3.398	-284	-36	52	04.59	-18.85	-86
497	5054	ζ Ursae Maj.*p	2.27	A1 Va (Si)	13	24	59.3	+2.403	+141	+54	47	15.40	18.70	-20
498	5056	α Virginis*	0.98	B1 V	13	26	35.6	+3.171	-28	-11	18	55.71	18.66	-28
501	5107	ζ Virginis	3.37	A2 IV	13	36	02.4	+3.052	-190	+0	27	40.71	18.26	+42
504	5132	ε Centauri	2.30	B1 III	13	41	35.0	+3.849	-32	-53	37	00.06	18.12	-17
509	5191	η Ursae Maj.*	1.86	B3 V	13	48	34.9	+2.357	-125	+49	10	54.50	17.84	-11
508	5193	μ Centauri	3.04	IV-Vpne(sh)	13	51	13.5	+3.647	-21	-42	37	16.71	-17.75	-20
513	5235	η Bootis	2.68	G0 IV	13	55	56.8	+2.857	-44	+18	15	56.94	17.89	-358
512	5231	ζ Centauri	2.55	B2.5 IV	13	57	12.4	+3.781	-56	-47	26	03.35	-17.52	-43

\* 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. 1  
 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 2026.5**  
 FOR JULY 2<sup>d</sup>.375 TERRESTRIAL TIME  
 (The Annual Variations are for the middle of the year)

Cat. No. FK5	BS =HR No.	Star	Mag.	Spectral Type	Right Ascension			Annual Variation	Annual Proper motion	Declination			Annual Variation	Annual Proper motion
					h	m	s			°	'	"		
521	5291	$\alpha$ Draconis*	3.65	A0 III	14	05	06.5	+1.629	-84	+64	14	59.18	-17.11	+18
518	5267	$\beta$ Centauri*	0.61	B1 III	14	05	43.1	+4.303	-43	-60	30	57.63	17.12	-19
519	5287	$\pi$ Hydrae	3.27	K2 III Fe-0.	14	07	53.3	+3.436	+33	-26	49	31.67	17.14	-139
520	5288	$\theta$ Centauri	2.06	K0 IIIb	14	08	15.1	+3.557	-429	-36	30	56.86	17.50	-520
523	5315	$\kappa$ Virginis	4.19	2.5 III Fe-0	14	14	18.8	+3.212	+5	-10	24	45.11	16.56	+140
526	5340	$\alpha$ Bootis*	-0.04	1.5 III Fe-0	14	16	52.3	+2.739	-769	+19	02	43.76	18.57	-2000
525	5338	$\iota$ Virginis	4.08	F7 III-IV	14	17	24.5	+3.156	-2	-6	08	32.87	-16.98	-432
###	5359	$\lambda$ Virginis	4.52	A5m:	14	20	32.9	+3.259	-11	-13	30	30.48	16.36	+30
531	5404	$\theta$ Bootis	4.05	F7 V	14	26	05.9	+2.042	-253	+51	43	44.81	16.50	-398
534	5429	$\rho$ Bootis	3.58	K3 III	14	32	58.3	+2.585	-77	+30	15	22.33	15.62	+119
535	5435	$\eta$ Bootis	3.03	A7 IV	14	33	08.7	+2.415	-97	+38	11	36.15	15.58	+153
537	5440	$\eta$ Centauri	2.31	5 IVpne(sh	14	37	12.1	+3.842	-31	-42	17	21.54	15.54	-35
538	5460	$\alpha$ Centauri* cg	0.00	K1 V	14	41	25.1	+4.132	-5002	-60	57	35.13	-14.58	+690
541	5469	$\alpha$ Lupi	2.30	B1.5 III	14	43	42.4	+4.029	-21	-47	31	00.62	15.16	-18
545	5487	$\mu$ Virginis	3.88	F2 V	14	44	27.6	+3.172	+73	-5	47	19.13	15.41	-316
539	5463	$\alpha$ Circini	3.19	A 7p Sr Eu	14	44	40.9	+4.939	-302	-65	06	18.11	15.32	-233
544	5485	371 G.Cen	4.05	K3 IIIb	14	45	17.2	+3.695	-52	-35	18	10.26	15.23	-180
547	5511	109 Virginis	3.72	A0 Ivnn	14	47	35.5	+3.040	-76	+1	46	57.09	14.94	-27
550	5563	$\beta$ Ursae Min.*	2.08	K4 III	14	50	39.4	+0.100	-76	+74	02	49.59	-14.72	+12
542	5470	$\alpha$ Apodis	3.83	K3 III CN 0.	14	51	17.0	+7.811	-40	-79	10	13.81	14.72	-16
548	5531	$\alpha$ Librae*	2.75	A3 III-IV	14	52	21.0	+3.332	-73	-16	10	01.23	14.70	-67
552	5571	$\beta$ Lupi	2.68	B2 IV	15	00	16.8	+3.962	-32	-43	15	19.97	14.19	-39
553	5576	$\kappa$ Centauri	3.13	B2 V	15	00	53.8	+3.934	-17	-42	13	31.52	14.14	-24
555	5602	$\beta$ Bootis	3.50	B8 IIIa Fe-0.	15	02	56.7	+2.261	-35	+40	17	13.84	14.02	-28
556	5603	$\sigma$ Librae	3.29	M2.5 III	15	05	37.7	+3.529	-54	-25	24	03.78	-13.86	-43
559	5652	$\iota$ Librae*	4.54	B9p Si	15	13	44.2	+3.435	-25	-19	54	24.99	13.34	-39
558	5649	$\zeta$ Lupi	3.41	G8 III	15	14	12.3	+4.354	-122	-52	12	52.55	13.34	-73
563	5681	$\delta$ Bootis	3.47	G8 III Fe-I	15	16	34.3	+2.421	+69	+33	13	01.96	13.22	-112
564	5685	$\beta$ Librae*	2.61	B8 IIIn	15	18	26.2	+3.239	-65	-9	29	44.47	13.01	-19
569	5735	$\gamma$ Ursae Min.	3.05	A 3 III	15	20	42.4	+0.039	-40	+71	44	22.91	12.81	+20
560	5671	$\gamma$ Tr. Austrini	2.89	A1 III	15	21	25.4	+5.711	-132	-68	47	28.30	-12.82	-31
###	5695	$\delta$ Lupi	3.22	B1.5 IVn	15	23	07.3	+3.966	-13	-40	45	29.47	12.70	-26
566	5705	$\phi$ Lupi	3.56	K4 III	15	23	29.8	+3.831	-74	-36	22	19.93	12.73	-85
571	5744	$\iota$ Draconis	3.29	K2 III	15	25	31.4	+1.346	-12	+58	52	26.26	12.49	+17
572	5747	$\beta$ Cr. Borealis	3.68	F0p Cr Eu	15	28	55.3	+2.476	-137	+29	00	56.57	12.19	+86
578	5793	$\alpha$ Cr. Borealis*	2.23	A0 IV	15	35	48.7	+2.543	+91	+26	37	37.01	11.88	-88
577	5787	$\gamma$ Librae	3.91	G8.5 III	15	37	00.8	+3.368	+45	-14	53	33.84	-11.70	+9
579	5794	$\nu$ Librae	3.58	K3.5 III	15	38	38.4	+3.660	-7	-28	14	14.81	11.59	+3
###	5838	$\kappa$ Librae	4.74	M0 IIIb	15	43	28.7	+3.470	-26	-19	46	46.08	11.35	-103
582	5854	$\alpha$ Serpentis*	2.65	K2 IIIb CN	15	45	34.5	+2.961	+92	+6	20	38.33	-11.05	+47

\* No. 518 : *Agena* .  
 No. 521 : *Thuban* .  
 No. 526 : *Arcturus* , *Svati* .  
 No. 538 : *Rigel 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 : *Unukalhal* .

**MEAN PLACES OF STARS, J 2026.5**  
 FOR JULY 2<sup>d</sup>.375 TERRESTRIAL TIME  
 (The Annual Variations are for the middle of the year)

Cat. No. FK5	BS =HR No.	Star	Mag.	Spectral Type	Right Ascension			Annual Variation	Annual Proper motion	Declination			Annual Variation	Annual Proper motion
					h	m	s			°	'	"		
583	5867	β Serpentis	3.67	A2 IV	15	47	24.7	+2.773	+46	+15	20	25.78	-11.00	-45
585	5881	μ Serpentis	3.54	A0 III	15	51	00.4	+3.139	-57	-3	31	34.20	10.72	-24
588	5892	ε Serpentis	3.71	A5m	15	52	08.4	+2.997	+86	+4	23	59.04	10.55	+63
589	5897	β Tr. Australis	2.85	F0 IV	15	57	30.1	+5.354	-283	-63	31	33.82	10.61	-399
591	5933	γ Serpentis	3.85	F6 V	15	57	40.7	+2.777	+218	+15	34	36.51	11.48	-1281
592	5944	π Scorpii	2.89	B1 V + B2 V	16	00	27.6	+3.644	-8	-26	12	17.67	10.01	-26
594	5953	δ Scorpii*	2.32	B0.3 IV	16	01	54.3	+3.561	-8	-22	42	41.94	-09.90	-22
597	5984	β Scorpii*pr	2.62	B0.5 V	16	06	58.9	+3.501	-4	-19	53	33.00	09.51	-19
603	6056	δ Ophiuchi	2.74	M0.5 III	16	15	44.2	+3.151	-29	-3	46	38.16	08.95	-143
605	6075	ε Ophiuchi	3.24	9.5 IIIb Fe-C	16	19	43.6	+3.182	+57	-4	46	18.41	08.45	+41
608	6092	τ Herculis	3.89	B5 IV	16	20	32.3	+1.808	-11	+46	15	05.11	08.39	+40
607	6084	σ Scorpii	2.89	B1 III	16	22	48.2	+3.660	-8	-25	40	14.98	08.27	-21
609	6095	γ Herculis	3.75	A9 IIIbn	16	23	05.4	+2.650	-33	+19	05	33.16	-08.18	+43
613	6117	ω Herculis	4.57	B9 p Cr	16	26	38.4	+2.773	+30	+13	58	26.46	08.00	-59
616	6134	α Scorpii* cg	0.96	M1.5 Iab-Ib	16	31	02.2	+3.691	-7	-26	30	18.46	07.61	-20
618	6148	β Herculis	2.77	7 III a Fe-0	16	31	21.6	+2.583	-70	+21	26	00.62	07.57	-15
620	6165	τ Scorpii	2.82	B0 V	16	37	32.2	+3.747	-6	-28	17	07.10	07.08	-22
611	6102	γ Apodis	3.89	G8/K0 III	16	37	36.1	+9.435	-452	-78	58	03.05	07.13	-77
622	6175	ζ Ophiuchi	2.56	O9.5 Vn	16	38	37.3	+3.311	+9	-10	38	07.10	-06.94	+26
626	6220	η Herculis	3.53	G7 III Fe-1	16	43	48.4	+2.061	+32	+38	52	23.78	06.62	-82
###	6243	20 Ophiuchi	4.65	F7 III	16	51	18.2	+3.326	+65	-10	50	39.82	06.01	-92
625	6217	α Tr. Austr.*	1.92	K2 IIb-IIIa	16	51	29.6	+6.417	+26	-69	05	20.25	05.94	-34
628	6241	ε Scorpii	2.29	K2 III	16	51	53.1	+3.899	-493	-34	21	19.96	06.13	-257
###	6229	η Arae	3.76	K5 III	16	52	05.2	+5.214	+49	-59	06	07.52	05.88	-28
###	6247	μ' Scorpii	3.08	B1.5 IVn	16	53	40.3	+4.078	-9	-38	06	24.96	-05.74	-25
633	6299	κ Ophiuchi	3.20	K2 III	16	58	55.5	+2.844	-197	+9	20	08.53	05.29	-11
631	6285	ζ Arae	3.13	K4 III	17	00	49.3	+4.990	-23	-56	02	43.55	05.15	-36
634	6324	ε Herculis	3.92	A0 IV	17	01	18.3	+2.299	-36	+30	53	20.15	05.05	+27
635	6355	60 Herculis	4.91	A4 IV	17	06	36.5	+2.786	+35	+12	42	22.76	04.64	-10
639	6396	ζ Draconis	3.17	B6 III	17	08	52.1	+0.189	-33	+65	40	55.76	04.41	+22
638	6380	η Scorpii	3.33	F2 V:p(Cr)	17	14	03.4	+4.310	+23	-43	17	16.51	-04.28	-287
643	6418	π Herculis	3.16	K3 II	17	15	58.3	+2.093	-22	+36	46	50.65	03.82	+4
641	6410	δ Herculis	3.14	A1 Vann	17	16	07.3	+2.468	-15	+24	48	34.71	03.97	-157
644	6453	θ Ophiuchi	3.27	B2 IV	17	23	38.4	+3.691	-3	-25	02	24.55	03.19	-20
645	6461	β Arae	2.85	K3 Ib-IIa	17	27	30.5	+5.003	-9	-55	34	05.86	02.86	-25
###	6486	44 Ophiuchi	4.17	A9m:	17	27	59.5	+3.670	+0	-24	12	50.01	02.91	-116
653	6536	β Draconis	2.79	G2 Ib-IIa	17	31	02.0	+1.360	-17	+52	16	57.87	-02.51	+15
649	6508	ν Scorpii	2.69	B2 IV	17	32	34.1	+4.086	-1	-37	19	51.35	02.42	-31
648	6500	δ Arae	3.62	B8 Vn	17	33	29.8	+5.433	-79	-60	43	08.29	02.41	-97
651	6510	α Arae	2.95	B2 Vne	17	33	53.6	+4.648	-32	-49	54	38.88	02.35	-70
652	6527	λ Scorpii*	1.63	B1.5 IV	17	35	24.6	+4.081	-1	-37	08	13.44	02.18	-29
656	6556	α Ophiuchi*	2.08	A5 Vnn	17	36	09.9	+2.788	+83	+12	32	33.59	-02.31	-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 2026.5**  
 FOR JULY 2<sup>d</sup>.375 TERRESTRIAL TIME  
 (The Annual Variations are for the middle of the year)

Cat. No. FK5	BS =HR No.	Star	Mag.	Spectral Type	Right Ascension			Annual Variation	Annual Proper motion	Declination			Annual Variation	Annual Proper motion
					h	m	s			°	'	"		
658	6561	ξ Serpentis	3.54	F0 IIIb	17	39	06.3	+3.439	(0.0001) -29	-15	25	46.43	-01.88	(0.001) -58
654	6553	θ Scorpii	1.87	F1 III	17	39	13.6	+4.318	+14	-43	01	42.53	01.82	-2
663	6588	ι Herculis	3.80	B3 IV	17	40	12.8	+1.697	-5	+45	59	36.38	01.72	+5
660	6580	κ Scorpii	2.41	B1.5 III	17	44	19.4	+4.156	-5	-39	03	27.22	01.40	-27
665	6603	β Ophiuchi	2.77	K2 III CN 0.	17	44	47.0	+2.966	-27	+4	33	29.73	01.17	+159
667	6623	μ Herculis	3.42	G5IV	17	47	29.8	+2.352	-232	+27	42	24.27	01.84	-752
661	6582	η Pavonis	3.62	K1 IIIa CN	17	48	20.3	+5.900	-21	-64	44	57.24	-01.07	-54
668	6629	γ Ophiuchi	3.75	A0 Van	17	49	13.3	+3.011	-14	+2	41	57.73	01.02	-74
666	6615	ι' Scorpii	3.03	F2 Ia	17	49	26.4	+4.201	-0	-40	09	04.19	00.93	-8
669	6630	G Scorpii	3.21	K2 III	17	51	39.8	+4.087	+41	-37	03	56.38	00.70	+33
671	6688	ξ Draconis	3.75	K2 III	17	53	59.3	+1.040	+114	+56	52	09.22	00.45	+80
672	6695	θ Herculis	3.86	K1 IIa CN2	17	57	09.8	+2.060	+4	+37	14	54.44	00.24	+6
676	6705	γ Draconis*	2.23	K5 III	17	57	13.3	+1.396	-8	+51	29	12.54	-00.26	-19
674	6703	ξ Herculis	3.70	G8.5 III	17	58	47.7	+2.334	+64	+29	14	48.03	00.12	-17
673	6698	ν Ophiuchi	3.34	G 9 IIIa	18	00	29.2	+3.305	-4	-9	47	28.73	-00.07	-116
677	6714	67 Ophiuchi	3.97	B5 Ib	18	01	58.4	+3.007	+1	+2	55	56.41	+00.16	-8
679	6746	γ Sagittarii	2.99	K0 III	18	07	30.7	+3.855	-41	-30	26	16.17	00.47	-185
681	6779	ο Herculis	3.83	A0 II-III	18	08	34.6	+2.343	+1	+28	46	03.94	00.76	+10
680	6771	72 Ophiuchi	3.73	A5 IV-V	18	08	36.4	+2.846	-41	+9	34	10.47	+00.83	+80
###	6743	θ Arae	3.66	B2 Ib	18	08	41.6	+4.670	-10	-50	06	12.19	00.75	-14
682	6812	μ Sagittarii	3.86	B9 Ia	18	15	20.9	+3.589	+1	-21	03	58.05	01.34	+1
683	6832	η Sagittarii	3.11	M3.5 IIIab	18	19	25.2	+4.059	-106	-36	46	03.70	01.53	-167
695	6927	χ Draconis	3.57	F7 V	18	20	34.6	+1.088	+1201	+72	44	37.30	01.45	-345
688	6869	η Serpentis	3.26	K0 III-IV	18	22	40.9	+3.106	-364	-2	54	23.42	01.28	-702
687	6859	δ Sagittarii*	2.70	K2.5 IIIa CN 0	18	22	41.4	+3.840	+27	-29	49	51.53	+01.95	-28
690	6895	109 Herculis	3.84	K2 IIIab	18	24	49.7	+2.559	+141	+21	47	00.79	01.93	-242
689	6879	ε Sagittarii*	1.85	A0 II n(shell)	18	25	55.8	+3.980	-31	-34	23	10.08	02.14	-124
691	6897	α Telescopii	3.51	B3 IV	18	28	56.2	+4.444	-15	-45	58	03.23	02.47	-54
692	6913	λ Sagittarii	2.81	K1 IIIb	18	29	36.3	+3.702	-32	-25	25	16.52	02.40	-185
697	6951	θ Coronae Aust	4.64	G8 III	18	35	23.6	+4.279	+28	-42	18	26.15	03.06	-22
###	6973	α Scuti	3.85	K3 III	18	36	39.0	+3.265	-10	-8	14	23.98	+02.88	-312
699	7001	α Lyrae*	0.03	A0 Va	18	37	50.2	+2.033	+172	+38	48	35.02	03.58	+287
###	7039	φ Sagittarii	3.17	B8 III	18	47	18.6	+3.745	+40	-26	58	39.82	04.11	+1
###	7063	β Scuti	4.22	G4 IIa	18	48	34.8	+3.183	-3	-4	44	02.65	04.20	-16
705	7106	β Lyrae*	3.45	B7 Vpe(shell)	18	51	03.5	+2.217	+3	+33	23	41.81	04.43	-3
706	7121	σ Sagittarii*	2.02	B3 IV	18	56	54.4	+3.715	+10	-26	16	40.98	04.87	-54
710	7150	ξ <sup>-</sup> Sagittarii	3.51	K1 III	18	59	18.6	+3.575	+24	-21	05	10.13	+05.12	-12
713	7178	γ Lyrae	3.24	B9 II	18	59	56.1	+2.246	-2	+32	43	38.69	05.18	+2
712	7176	ε Aquilae	4.02	K1 III CN 0.	19	00	49.5	+2.724	-35	+15	06	21.82	05.18	-74
716	7235	ζ Aquilae	2.99	A0 Vann	19	06	37.7	+2.758	-3	+13	54	16.77	05.65	-96
717	7236	λ Aquilae	3.44	IVp(wk 44)	19	07	39.3	+3.183	-11	-4	51	26.57	05.74	-90
###	7234	τ Sagittarii	3.32	K1.5 IIIb	19	08	35.5	+3.740	-40	-27	38	45.45	+05.66	-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 2026.5**  
 FOR JULY 2<sup>d</sup>.375 TERRESTRIAL TIME  
 (The Annual Variations are for the middle of the year)

Cat. No. FK5	BS =HR No.	Star	Mag.	Spectral Type	Right Ascension			Annual Variation	Annual Proper motion	Declination			Annual Variation	Annual Proper motion	
					h	m	s			°	'	"			
720	7264	π Sagittarii	2.89	F2 II-III	19	11	20.3	+3.563	(0.0001)	-0	-20	59 45.07	+06.10	(0.001)	-35
723	7310	δ Draconis	3.07	G9 III	19	12	33.2	+0.005	+164	+67	42 29.38	06.33		+93	
726	7328	κ Cygni	3.77	G9 III	19	17	42.8	+1.384	+65	+53	25 05.85	06.79		+125	
730	7377	δ Aquilae	3.36	F2 IV-V	19	26	50.0	+3.024	+171	+3	10 10.37	07.50		+83	
###	7405	α Vulpeculae	4.44	M0.5 IIIb	19	29	48.5	+2.498	-92	+24	43 12.50	07.55		-106	
733	7420	ι Cygni	3.79	A4 V	19	30	22.4	+1.511	+21	+51	47 14.03	07.83		+130	
732	7417	β Cygni*p	3.08	3 II + B9.5	19	31	47.5	+2.421	+2	+28	01 00.72	+07.81		-2	
###	7488	β Sagittae	4.37	8 IIIa CN 0	19	42	14.4	+2.695	+7	+17	32 20.81	08.62		-32	
741	7525	γ Aquilae	2.72	K3 II	19	47	31.2	+2.852	+12	+10	40 46.55	09.06		-2	
743	7536	δ Sagittae	3.82	12 II + A0	19	48	34.2	+2.676	+5	+18	36 04.64	09.15		+8	
745	7557	α Aquilae*	0.77	A7 Vnn	19	52	04.6	+2.926	+362	+8	56 24.46	09.80		+388	
746	7570	η Aquilae	3.90	V F6-G1 Ib	19	53	49.3	+3.054	+7	+1	04 31.87	09.54		-7	
749	7602	β Aquilae*	3.71	G8 IV	19	56	36.9	+2.946	+33	+6	28 28.94	+09.28		-482	
752	7635	γ Sagittae	3.47	M0 III	19	59	56.2	+2.669	+46	+19	33 56.66	10.04		+24	
751	7623	θ Sagittarii	4.37	B2.5 IV	20	01	27.3	+3.889	+5	-35	13 08.68	10.10		-26	
754	7665	δ Pavonis	3.56	G6/8 IV	20	11	17.9	+5.810	+1998	-66	07 39.95	09.74		-1124	
756	7710	θ Aquilae	3.23	B9.5 III	20	12	39.4	+3.060	+26	+0	54 06.64	10.97		+4	
757	7735	31 ο Cygni	3.79	K2 II+ B4 V	20	14	28.0	+1.890	+4	+46	49 22.17	11.10		+3	
761	7754	α Capricorni*	3.57	G9III	20	19	31.3	+3.322	+44	-12	28 39.00	+11.46		+4	
762	7776	β Capricorni	3.08	II: + A5n:	20	22	29.8	+3.363	+29	-14	42 44.99	11.67		+2	
765	7796	γ Cygni	2.20	F8 Ib	20	23	10.8	+2.155	+4	+40	20 33.89	11.72		+0	
764	7790	α Pavonis	1.94	B2.5 V	20	27	43.6	+4.699	+9	-56	39 51.54	11.95		-89	
768	7852	ε Delphini	4.03	B6 III	20	34	28.7	+2.866	+9	+11	23 41.58	12.49		-22	
(771)	7882	β Delphini*m	3.64	F5 IV	20	38	47.5	+2.814	+82	+14	41 19.18	12.75		-47	
769	7869	α Indi	3.11	K0 III CN-1	20	39	25.2	+4.188	+52	-47	12 48.96	+12.91		+66	
774	7906	α Delphini*	3.77	B9 IV	20	40	52.2	+2.787	+46	+16	00 25.07	12.94		-2	
777	7924	α Cygni*	1.25	A2 Ia	20	42	20.2	+2.048	+3	+45	22 34.10	13.04		+2	
778	7928	δ Delphini	4.43	F0m	20	44	41.8	+2.801	-13	+15	10 15.85	13.15		-43	
783	7957	η Cephei	3.43	K0 IV	20	45	49.5	+1.209	+119	+61	56 32.50	14.09		+819	
780	7949	ε Cygni	2.46	K0 III	20	47	17.1	+2.431	+286	+34	04 14.84	13.69		+329	
775	7913	β Pavonis	3.42	A6 IV	20	47	18.7	+5.315	-75	-66	07 18.98	+13.38		+11	
###	7948	γ Delphini sq	4.27	K1 IV	20	47	53.3	+2.784	-22	+16	13 16.34	13.21		-197	
781	7950	ε Aquarii	3.77	A1 III	20	49	06.5	+3.241	+24	-9	24 49.59	13.45		-34	
###	7990	μ Aquarii	4.73	F2m	20	54	04.9	+3.230	+30	-8	53 56.20	13.77		-30	
785	7986	β Indi	3.65	K1 II	20	56	51.6	+4.631	+21	-58	22 07.02	13.95		-26	
###	8039	γ Microscopii	4.67	G8 III	21	02	54.6	+3.662	-2	-32	10 08.81	14.36		+5	
792	8079	ξ Cygni	3.72	K4.5 Ib-II	21	05	53.8	+2.187	+8	+44	02 04.63	+14.53		+1	
797	8115	ζ Cygni	3.20	III-IIIa Ba	21	14	03.9	+2.558	+1	+30	20 12.60	14.96		-56	
800	8131	α Equulei	3.92	II-III + A4	21	17	08.9	+2.998	+40	+5	21 31.50	15.10		-88	
803	8162	α Cephei*	2.44	A7 V n	21	19	12.6	+1.427	+219	+62	41 54.60	15.36		+50	
806	8204	ζ Capricorni	3.74	G4 Ib: Ba 2	21	28	10.5	+3.412	+1	-22	18 42.50	+15.83		+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 2026.5**  
 FOR JULY 2<sup>d</sup>.375 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			°	'	"		
809	8238	β Cephei	3.23	B1 III	21	28	59.5	+0.745	+21	+70	40	38.49	+15.85	+7
808	8232	β Aquarii*	2.91	G0 Ib	21	32	57.1	+3.153	+14	-5	28	11.95	16.05	-8
###	8264	ξ Aquarii	4.69	A5 Vn	21	39	09.6	+3.188	+78	-7	45	02.87	16.35	-25
812	8278	γ Capricorni	3.68	A7 m:	21	41	33.3	+3.314	+132	-16	33	28.87	16.47	-23
810	8254	ν Octantis	3.76	K0 III	21	44	19.1	+6.390	+141	-77	17	11.67	16.39	-240
815	8308	ε Pegasi*	2.34	K2 Ib-II	21	45	29.3	+2.947	+21	+9	59	51.30	16.69	-1
819	8322	δ Capricorni	2.87	F2m	21	48	30.0	+3.302	+183	-16	01	20.99	+16.54	-296
822	8353	γ Gruis	3.01	B8 IV-Vs	21	55	31.5	+3.609	+86	-37	15	20.43	17.14	-21
827	8414	α Aquarii*	2.96	G2 Ib	22	07	08.5	+3.072	+13	+0	26	58.48	17.65	-10
831	8430	ι Pegasi	3.76	F5 V	22	08	14.8	+2.799	+220	+25	28	31.52	17.73	+25
829	8425	α Gruis*	1.74	B7 Vn	22	09	53.4	+3.746	+126	-46	50	53.49	17.62	-151
834	8450	θ Pegasi	3.53	K2m AI IV-V	22	11	32.2	+3.026	+185	+6	19	45.01	17.87	+27
836	8465	ζ Cephei	3.35	K1.5 Ib	22	11	46.7	+2.092	+19	+58	19	57.11	+17.85	+4
841	8502	α Tucanae	2.86	K3 III	22	20	17.6	+4.046	-96	-60	08	34.98	18.13	-43
842	8518	γ Aquarii	3.84	B9.5 III-IV	22	23	01.4	+3.096	+88	-1	16	10.64	18.28	+7
846	8556	δ' Gruis	3.97	G6/8 III	22	30	50.6	+3.557	+26	-43	22	33.53	18.54	-5
848	8585	α Lacertae	3.77	A1 Va	22	32	23.3	+2.487	+144	+50	25	09.85	18.61	+19
849	8592	ν Aquarii	5.20	F5 V	22	36	08.4	+3.271	+158	-20	35	18.03	18.57	-144
850	8597	η Aquarii	4.02	B9 IV-V:n	22	36	43.0	+3.079	+61	+0	15	17.37	+18.68	-56
855	8634	ζ Pegasi	3.40	B8.5 III	22	42	47.1	+2.995	+55	+10	58	13.26	18.90	-12
856	8636	β Gruis	2.10	M4.5 III	22	44	14.3	+3.550	+133	-46	45	43.15	18.95	-8
857	8650	η Pegasi	2.94	G8 II + F0V	22	44	14.9	+2.823	+11	+30	21	37.74	18.93	-25
860	8675	ε Gruis	3.49	A2 Va	22	50	08.5	+3.585	+115	-51	11	36.55	19.05	-71
863	8694	ι Cephei	3.52	K0 III	22	50	37.9	+2.156	-108	+66	20	24.83	19.00	-125
861	8679	τ Aquarii	4.01	M0 III	22	50	59.5	+3.169	-8	-13	28	07.71	+19.10	-38
862	8684	μ Pegasi	3.48	G8 III	22	51	17.1	+2.904	+108	+24	44	31.57	19.10	-42
864	8698	λ Aquarii*	3.74	M2.5 III Fe-0	22	53	59.7	+3.126	+8	-7	27	16.84	19.25	+37
866	8709	δ Aquarii	3.27	A3 IV-V	22	56	03.2	+3.176	-28	-15	41	45.50	19.24	-25
867	8728	α PsA*	1.16	A3 Va	22	59	06.6	+3.299	+255	-29	29	52.43	19.17	-164
869	8762	ο Andromedae	3.62	B6 pe (shell)	23	03	08.8	+2.777	+20	+42	28	07.84	19.42	-6
870	8775	β Pegasi*	2.42	M2.5 II-III	23	05	03.8	+2.919	+143	+28	13	37.31	+19.61	+138
871	8781	α Pegasi*	2.49	A0 III-IV	23	06	05.0	+2.994	+44	+15	20	53.90	19.45	-42
873	8812	88 Aquarii	3.66	K1.5 III	23	10	51.3	+3.189	+40	-21	02	41.20	19.61	+31
878	8852	γ Piscium	3.69	G9 III: Fe-2	23	18	32.4	+3.112	+509	+3	25	38.79	19.73	+17
890	8961	λ Andromedae	3.82	G8 III-IV	23	38	52.2	+2.961	+157	+46	36	06.99	19.53	-421
893	8974	γ Cephei	3.21	M III-IV CN	23	40	27.5	+2.529	-213	+77	46	49.87	20.12	+151
902	9072	ω Piscium	4.01	F4V	0	00	40.5	+3.086	+103	+7	00	35.88	+19.93	-115

BS = Bright Star Catalogue HR = Harvard 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.