

Photometric Data for Stars in the Equatorial Zone
(Fourth List)

by

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This list of 200 stars, based on observations made with the 18-inch reflector, is a continuation of the lists published in MNASSA, 21, 20 and 61, 1962 and 22, 12, 1963 and is presented in exactly the same form. The total number of stars in the four lists is 725, which, together with the brighter stars being used as standards accounts for two-thirds of the HR stars between declinations $\pm 10^\circ$.

The following stars marked with a V in the 'Notes' column, are suspected of variability.

HR 1099	observed range in V is	0. ^m 11	with	8	observations
1508		0.09		11	
2442		0.05		8	
2904		0.05		8	
3061		0.19		9	
3103		0.18		32	
4088		0.07		7	
4267		0.4		8	

Two recognised variable stars CK Ori = HR 1837 (with 8 observations extending over 15 days, range 0.^m03) and TX Leo = HR 4148 (4 observations, range 0.^m025), did not show any variation during the period of observation.

HR	HD	(1950)		Spectrum		V	B - V	U - B	Notes
		α	δ	HD	Other				
444	9484	01 ^h 30 ^m .6	-09°16'	A0		6.58	-0.04	-0.10	
784	16673	02 37.8	-09 40	F5	dF6	5.77	+0.52	-0.02	
859	17943	50.4	-09 39	A2		6.32	+0.19	+0.10	
907	18784	58.7	-07 52	G5	dG6	5.74	+1.05	+0.88	
926	19121	03 02.0	+01 40	K0	gG6	6.04	+1.04	+0.86	
955	19836	08.8	-04 00	Ma	gM1	6.04	+1.66	+1.93:	
1007	20791	18.5	+03 30	G5	gG8	5.68	+0.97	+0.77	
1024	21019	20.8	-07 58	G0		6.19	+0.71	+0.15	
1079	21933	29.9	+09 12	B8		5.76	-0.09	-0.29	
1099	22468	34.2	+00 26	G0	dG9	5.7	+0.92	+0.46	B, SB, V

HR	HD	(1950)		Spectrum		V	B - V	U - B	Notes
		α	δ	HD	Other				
1111	22713	03 ^h 36 ^m 5	-05°47'	G5	dK1	5.95	+0.93	+0.66	
1119	22819	37.4	-01 17	G5		6.11	+0.99	+0.78	
1150	23413	42.4	-00 27	K2	gK5	5.54	+1.42	+1.72	
1224	24817	54.4	+05 54	A0		6.08	+0.06	+0.04	
1244	25340	59.0	-01 41	B5	B4n	5.27	-0.16	-0.54	
1249	25457	04 00.0	-00 24	F5	F6 V	5.38	+0.52	-0.02	
1272	25910	03.5	-08 59	A2		6.26	+0.06	+0.08	
1292	26462	08.7	+05 24	F0	F4	5.70	+0.35	+0.01	
1332	27179	14.9	-06 36	K0	gG8	5.93	+1.08	+0.95	
1334	27236	15.7	+09 22	A2		6.53	+0.16	+0.16	
1349	27386	16.9	+10 00	K0	K2	6.30	+1.43	+1.60	
1360	27497	18.0	+06 01	G5	gG6	5.76	+0.92	+0.68	
1362	27536	18.2	-06 22	G5		6.26	+0.91	+0.56	
1363	27563	18.3	-07 43	B8		5.84	-0.13	-0.48	
1366	27611	18.9	-00 13	K2		5.85	+1.32	+1.52	
1381	27820	21.1	+09 21	A2	A3	5.11	+0.07	+0.09	B
1383	27861	21.2	-03 52	A2	A1	5.17	+0.08	+0.07	
1400	28191	24.4	+01 58	K0		6.22	+1.09	+1.04	
1413	28322	25.5	+01 45	K0	gG8	6.14	+1.02	+0.82	
1415	28375	25.9	+01 16	B8		5.54	-0.10	-0.54	
1450	29063	31.8	-06 56	K2		6.09	+1.38	+1.64	
1451	29064	31.8	-08 20	Ma	gM3	5.10	+1.70	+2.01	
1452	29065	31.8	-09 04	K2	gK5	5.24	+1.48	+1.77	
1459	29169	33.5	+23 14	F2	dF2	6.34	+0.11	+0.09	
1460	29172/3	32.8	-09 50	A0		6.36	+0.11	+0.09	D
1462	29227	33.5	-03 43	B9		6.32	-0.10	-0.42	D
1474	29391	35.1	-02 34	A5	A4	5.22	+0.29	+0.01	
1488	29610	37.2	-01 09	K0		6.10	+0.94	+0.70	
1505/6	30020/1	41.2	-08 53	F5	gG6	5.99	+0.63	+0.32	D
1508	30076	41.7	-08 36	B5	B5ne	5.9	-0.11	-0.81	V
1522	30321	43.9	-03 03	A2		6.32	+0.04	+0.06	
1534	30545	46.1	+03 30	K0	K0	6.02	+1.19	+1.14	
1536	30562	46.1	-05 45	G0	dG0	5.77	+0.62	+0.19	
1544	30739	47.9	+08 49	A0	A0n	4.35	+0.02	-0.03	
1574	31331	52.3	+00 23	B5	B6	5.98	-0.13	-0.55	
1591	31623	54.7	-01 09	F2		6.22	+0.42	+0.04	
1596	31739	55.7	-02 17	A0		6.34	+0.10	+0.10	
1609/10	32039/40	57.9	+03 33	A0	A0n	6.06	-0.07	-0.27	D
1614	32147	58.3	-05 49	K0	dK5	6.22	+1.06	+1.09	
1618	32263	59.3	+00 39	K0	K1	5.91	+1.27	+1.39	
1625	32393	05 00.3	-04 17	K0	cK3	5.84	+1.21	+1.36	
1664	33054	05.2	+08 26	FC-A2	gF2	5.34	+0.34	+0.07	B
1673	33256	06.2	-04 31	F5	dF1	5.12	+0.45	-0.08	
1681	33419	07.5	-00 38	K0		6.09	+1.10	+1.08	
1685	33555	08.4	-02 19	G5		6.24	+0.98	+0.82	

HR	HD	α	(1950)	δ	Spectrum		V	B - V	U - B	Notes
					HD	Other				
1687	33608	05 ^h 08 ^m	08.8	-02°33'	F2	dF5	5.89	+0.46	+0.02	
1690	33647		09.1	+00 27	B9		6.65	-0.08	-0.30	B
1691	33646		09.2	+00 59	F5		5.88	+0.66	+0.28	B
1701	33883		10.9	+01 55	A2+G		6.08	+0.42	+0.26	B
1703	33946		11.2	+00 30	K2	K3	6.31	+1.46	+1.34	
1724	34317		14.1	+01 54	B9		6.41	-0.02	+0.01	
1748	34748		17.1	-01 28	B3	B3	6.33	-0.11	-0.73	
1764	35007		19.0	-00 28	B3	B3	5.66	-0.13	-0.63	
1778	35281		20.9	-08 28	A0		5.99	-0.04	-0.36	B
1782	35317		21.3	-00 55	F5		6.10	+0.51	0.00	B
1787	35410		21.9	-00 56	G5	gK0	5.08	+0.96	+0.69	
1800	35548		23.0	-00 35	B9		6.56	-0.05	-0.17	B
1803	35588		23.2	+00 29	B3	B3n	6.14	-0.18	-0.72	
1806	35640		23.6	-05 34	B9		6.22	-0.07	-0.20	
1826	36058		26.4	-03 21	B9		6.38	-0.01	-0.06	B
1837	36217		27.7	+04 10	K0		6.20	+1.27	+1.38	V
1840	36285		27.9	-07 28	B3	B3	6.32	-0.21	-0.80	
1842	36351		28.6	+03 15	B3	B3	5.46	-0.19	-0.81	D
1872	36777		31.6	+03 44	A2		5.34	+0.04	+0.05	
1873	36779		31.5	-01 04	B3		6.20	-0.17	-0.79	
1900	37055		33.1	-03 17	B5	B3	6.38	-0.13	-0.60	
1901	37077		33.2	-04 53	F0	gF0	5.25	+0.26	+0.11	
1906	37150		33.8	-05 41	B3		6.54	-0.21	-0.78	
1918	37303		35.0	-05 58	B1	B1 V	6.04	-0.25	-0.90	
1923	37356		35.4	-04 51	B1	B3	6.18	-0.04	-0.72	
1950	37744		38.1	-02 51	B5	B3	6.21	-0.21	-0.87	
1959	37904		39.2	-02 55	F0		6.41	+0.31	+0.04	
1970	38099		40.6	-01 38	K2		6.30	+1.47	+1.76	D
2024	39118		47.9	+02 01	G0+AO		5.97	+0.91	+0.30	
2031	39291		49.0	-07 32	B3	B2 V	5.35	-0.22	-0.82	
2051	39685		51.6	+03 13	K0	K1	6.30	+1.29	+1.47	
2057	39775		52.2	+00 58	K0	K1	6.00	+1.34	+1.44	
2093	40282		55.3	+01 13	K2	K5	6.21	+1.48	+1.84	
2097	40347		55.7	-01 00	K0		6.21	+1.14	+1.20	
2100	40372		55.8	+01 50	A5		5.88	+0.22	+0.14	
2108	40536		56.7	-09 34	A5	Am	5.04	+0.18	+0.14	
2109	40574		57.1	-01 27	B9		6.62	-0.07	-0.38	
2144	41361	06	02.3	+05 25	K0	gG7	5.66	+1.04	+0.83	
2174	42111		06.4	+02 31	A0		5.72	+0.07	+0.04	
	42092		06.4	+02 31	AO+AO		5.42	+0.06	+0.02	D
	42111									
2195	42536		08.6	-06 45	A0		6.14	0.00	+0.03	
2224	43157		12.1	-04 33	A0		5.82	-0.18	-0.64	
2231	43285		13.0	+06 05	B5	B5ne	6.06	-0.14	-0.51	
2233	43318		13.0	-00 30	F5	dF6	5.62	+0.48	-0.02	
2236	43358		13.3	+01 11	F5		6.36	+0.46	-0.03	

HR	HD	(1950)		Spectrum		V	B - V	U - B	Notes
		α	δ	HD	Other				
2273	44112	06 ^h 17 ^m 3	-07°48'	B3	B2 V	3.27	-0.20	-0.74	D
2292	44700	20.7	+03 47	B3	B3s	6.40	-0.16	-0.62	
2301	44816	21.2	-09 51	K5		6.18	+1.84	+2.04	
2312	45050	22.7	+01 32	A0		6.65	-0.04	-0.21	
2313	45067	22.7	-00 55	F8	F0	5.86	+0.56	+0.06	
2321	45239	23.6	-07 52	A2		6.40	+0.15	+0.11	
2328	45380	24.3	-07 29	A0		6.26	-0.04	-0.09	
2335	45433	24.7	-00 15	K0	gK5	5.54	+1.38	+1.61	
2347	45563	25.7	+01 57	B9		6.47	-0.07	-0.15	
2355	45724	26.6	+02 41	Ma		6.15	+1.54	+1.85	
2362	45827	27.4	+09 04	A0p		6.56	+0.14	-0.07	?V
2382	46241	29.7	+04 54	K0	gG8	5.87	+0.99	+0.78	
2386	46304	29.9	-05 50	A5		5.59	+0.26	+0.05	
2409	46769	32.7	+00 56	B5	B3	5.79	0.00	-0.46	
2418	47054	34.1	-05 10	B9	B8ne	5.52	-0.09	-0.38	
2430	47220	35.1	+02 45	K0		6.16	+1.08	+0.97	
2442	47432	36.0	+01 40	B0		6.20	+0.15	-0.85	
2479	48434	41.0	+03 59	B0		5.87	-0.02	-0.91	
	49068	43.6	-20 48	K2	cK2	7.43	+1.26	+1.29:	
2508	49331	45.2	-08 57	K5	cM1	5.06	+1.80	+1.87	D
2530	49933	48.3	-00 29	F2	dF2	5.76	+0.39	-0.09	
2543	50062	49.0	+03 06	A0		6.37	+0.04	+0.09	
2577	50820	52.2	-01 42	B3+F		6.20	+0.56	-0.36	
2613	51892	56.6	+07 23	B8		6.34	-0.12	-0.46	
2622	52265	57.8	-05 18	F8		6.28	+0.57	+0.08	
2629	52479	59.0	+04 53	A0		6.62	+0.06	+0.09	
2633	52559	59.3	+05 38	B3	B2	6.58	-0.02	-0.64	
2636	52611	59.3	-01 16	K0		6.16	+1.28	+1.36	
2639	52666	59.5	-05 39	K5	gM2	5.20	+1.68	+2.04	
2648	52918	07 00.4	-04 10	B3	B3n	4.96	-0.21	-0.93	D
2655	53208	01.6	-05 15	K0	gK3	5.61	+1.30	+1.24	
2656	53240	01.6	-10 03	B8		6.44	-0.08	-0.30	
2663	53510	02.9	+09 16	K0	gM0	5.77	+1.52	+1.87	
2729	55751	11.7	+03 12	G5	gK0	5.34	+1.19	+1.18	
2732	55832	11.9	-09 52	K2	gK3	5.90	+1.52	+1.70	
2744	56003	12.8	-00 04	G5	gG5	6.40	+0.90	+0.57	
2760	56446	14.6	+06 46	B9		6.64	-0.12	-0.40	
2765	56614	15.1	-06 35	K2		6.28	+1.63	+1.96	
2786	57146	16.8	-26 30	G0p	cG5	5.27	+0.96	+0.66	D
2798	57517	18.9	-08 47	F5		6.54	+0.54	+0.02	
2807	57708	19.8	-02 53	F5		6.22	+0.68	+0.34	
2828	58367	22.9	+09 23	G5	gG5	5.00	+1.00	+0.78	
2833	58526	23.4	+05 40	G0	cG2	5.96	+0.92	+0.62	
2838	58580	23.6	-04 26	B9		6.76	-0.02	-0.11	
2845	58715	24.4	+08 23	B8	B8ne	2.90	-0.10	-0.29	
2851	58923	25.3	+07 03	A5	F0	5.24	+0.22	+0.15	
2854	58972	25.4	+09 02	K0	K4	4.34	+1.43	+1.54	
2865	59311	26.8	-01 48	K2	gK5	5.58	+1.50	+1.76	D
2876	59669	28.4	-05 07	K0		6.22	+1.18	+1.06	
2901	60357	31.6	+03 29	A0	A0n	5.80	-0.02	-0.09	

HR	HD	(1950)		Spectrum		V	B - V	U - B	Notes
		α	δ	HD	Other				
2904	60489	07 ^h 32 ^m .2	+02°50'	A3	A2	6.54	+0.23	+0.13	?V
2920	60853	33.9	-08 12	K2		6.26	+1.54	+1.88	
2950	61563	37.5	+05 21	A0		6.01	-0.04	-0.17	B
2958	61749	38.2	-08 04	A2		6.01	+0.14	+0.10	
3014	62902	43.6	-06 39	K2	K5 III	5.48	+1.37	+1.68	
3026	63302	45.4	-15 52	K0		6.34	+1.78	+1.92	
3033	63435	46.3	+04 28	G0		6.52	+0.78	+0.38	
3061	64052	49.5	+03 24	Ma	M4	6.3	+1.59	+1.61	V
3103	65241	55.4	+07 21	B9		6.4	-0.04	-0.06	V
3110	65345	55.8	+02 22	K0	gG6	5.30	+0.94	+0.69	
3122	65695	57.2	-03 33	K0	K2 III	4.92	+1.20	+1.21	
3136	65900	58.6	+05 01	A0		5.64	0.00	+0.01	
3144	66011	59.1	+09 03	F5		6.21	+0.57	+0.12	
3212	68312	08 09.1	-07 37	G5	gG8	5.34	+0.89	+0.60	
3295	70937	22.1	-04 33	F2	dF4	6.00	+0.45	+0.02	
3297	70958	22.1	-03 35	F5	dF2	5.58	+0.46	-0.08	SB
3380	72617	31.5	+08 37	F0		6.02	+0.34	0.00	
3412	73316	35.4	+09 45	A0		6.52	-0.02	-0.04	
3424	73599	36.7	+08 12	K0		6.44	+1.08	+1.00	
3496	75276	45.6	-45 58	F0p	F2 Iab	5.74	+0.56	+0.35	
3596	77353	59.4	-00 17	K0	gG8	5.63	+1.16	+1.05	
3613	77996	09 03.3	+05 18	K0	gK2	4.96	+1.22	+1.21	
3618	78196	04.4	+01 40	Ma	M2	6.16	+1.65	+1.95	
3651	79108	09.6	+04 04	A0		6.13	-0.01	+0.01	
3655	79193	10.0	-06 54	A2		6.10	+0.23	+0.10	
3681	79910	14.2	-06 09	K0	gK4	5.22	+1.18	+1.22	B
3755	81873	25.8	+08 24	K0	gK0	5.70	+1.04	+0.91	D
3758	81980	26.5	-01 02	A5		6.26	+0.28	+0.08	
3794	82543	30.1	+02 05	F5	F5	6.10	+0.62	+0.25	
3814	82870	32.0	-05 41	K0	gK1	5.55	+1.16	+1.13	
3832	83373	35.4	-09 12	A0		6.40	-0.05	-0.08	
3879	84607	43.8	+02 01	F2	gF0	5.64	+0.35	+0.09	
3893	85217	47.9	+04 35	F5	dF6	6.23	+0.48	-0.04	
3899	85364	48.7	-04 00	A2	gA5n	6.00	+0.17	+0.09	
3901	85380	48.9	-05 57	G0		6.41	+0.58	+0.10	
3906	85504	49.6	+02 41	A0	A1	6.02	-0.05	-0.08	
3907	85505	49.6	+00 19	K0	G5	6.34	+0.94	+0.68	
3945	86611	57.1	+03 37	A5		6.69	+0.28	+0.06	
3961	87301	10 01.6	+03 27	F2	dF3	6.44	+0.41	-0.04	
3989	88195	07.6	-08 10	A0		5.90	+0.02	-0.05	
4004	88547	10.2	+04 52	K0	gK0	5.76	+1.18	+1.11	
4077	89962	20.4	+06 48	K0	gK3	6.06	+1.12	+1.14	
4079	89995	20.6	+05 57	F2		6.53	+0.46	-0.06	
4082	90044	20.9	-03 49	B9	A0p	5.96	-0.10	-0.16	
4085	90125	21.6	+02 37	K0		6.31	+1.00	+0.75	
4088	90254	22.6	+09 02	Ma	gM3	5.6	+1.62	+1.96	?V
4148	91636	32.4	+08 55	A0		5.66	+0.05	+0.05	V
4245	94237	50.0	+00 04	K5	K4	6.30	+1.50	+1.82	
4267	94705	53.4	+06 27	Mb	gM5	5.8	+1.45	+1.00	V
4303	95771	11 00.7	-01 29	A3		6.13	+0.27	+0.04	