

## HR DIAGRAM

**Table 1: Bright Stars**

<i>Star</i>	<i>M(V)</i>	<i>log(L/L<sub>sun</sub>)</i>	<i>Temp</i>	<i>Type</i>	<i>Star</i>	<i>M(V)</i>	<i>log(L/L<sub>sun</sub>)</i>	<i>Temp</i>	<i>Type</i>
Sun	4.8	0.00	5840	G2	Sirius A	1.4	1.34	9620	A1
Canopus	-3.1	3.15	7400	F0	Arcturus	-0.4	2.04	4590	K2
Alpha Centauri A	4.3	0.18	5840	G2	Vega	0.5	1.72	9900	A0
Capella	-0.6	2.15	5150	G8	Rigel	-7.2	4.76	12140	B8
Procyon A	2.6	0.88	6580	F5	Betelgeuse	-5.7	4.16	3200	M2
Achemar	-2.4	2.84	20500	B3	Hadar	-5.3	4.00	25500	B1
Altair	2.2	1.00	8060	A7	Aldebaran	-0.8	2.20	4130	K5
Spica	-3.4	3.24	25500	B1	Antares	-5.2	3.96	3340	M1
Fomalhaut	2.0	1.11	9060	A3	Pollux	1.0	1.52	4900	K0
Deneb	-7.2	4.76	9340	A2	Beta Crucis	-4.7	3.76	28000	B0
Regulus	-0.8	2.20	13260	B7	Acrux	-4.0	3.48	28000	B0
Adhara	-5.2	3.96	23000	B2	Shaula	-3.4	3.24	25500	B1
Bellatrix	-4.3	3.60	23000	B2	Castor	1.2	1.42	9620	A1
Gacrux	-0.5	2.10	3750	M3	Beta Centauri	-5.1	3.94	25500	B1
Alpha Centauri B	5.8	-0.42	4730	K1	Al Na'ir	-1.1	2.34	15550	B5
Miaplacidus	-0.6	2.14	9300	A0	Elnath	-1.6	2.54	12400	B7
Alnilam	-6.2	4.38	26950	B0	Mirfak	-4.6	3.74	7700	F5
Alnitak	-5.9	4.26	33600	O9	Dubhe	0.2	1.82	4900	K0
Alioth	0.4	1.74	9900	A0	Peacock	-2.3	2.82	20500	B3
Kaus Australis	-0.3	2.02	11000	B9	Theta Scorpii	-5.6	4.14	7400	F0
Atria	-0.1	1.94	4590	K2	Alkaid	-1.7	2.58	20500	B3
Alpha Crucis B	-3.3	3.22	20500	B3	Avior	-2.1	2.74	4900	K0
Delta Canis Majoris	-8.0	5.10	6100	F8	Alhena	0.0	1.90	9900	A0
Menkalinan	0.6	1.66	9340	A2	Polaris	-4.6	3.74	6100	F8
Mirzam	-4.8	3.82	25500	B1	Delta Vulpeculae	0.6	1.66	9900	A0

Table 2: Nearby Stars

<i>Star</i>	<i>M(V)</i>	<i>log(L/L<sub>sun</sub>)</i>	<i>Temp</i>	<i>Type</i>	<i>Star</i>	<i>M(V)</i>	<i>log(L/L<sub>sun</sub>)</i>	<i>Temp</i>	<i>Type</i>
Sun	4.8	0.00	5840	G2	*Proxima Centauri	15.5	-4.29	2670	M5.5
*Alpha Centauri A	4.3	0.18	5840	G2	*Alpha Centauri B	5.8	-0.42	4900	K1
Barnard's Star	13.2	-3.39	2800	M4	Wolf 359 (CN Leo)	16.7	-4.76	2670	M6
HD 93735	10.5	-2.30	3200	M2	*L726-8 ( A)	15.5	-4.28	2670	M6
*UV Ceti (B)	16.0	-4.48	2670	M6	*Sirius A	1.4	1.34	9620	A1
*Sirius B	11.2	-2.58	14800	DA	Ross 154	13.1	-3.36	2800	M4
Ross 248	14.8	-4.01	2670	M5	Epsilon Eridani	6.1	-0.56	4590	K2
Ross 128	13.5	-3.49	2800	M4	L 789-6	14.5	-3.90	2670	M6
*GX Andromedae	10.4	-2.26	3340	M1	*GQ Andromedae	13.4	-3.45	2670	M4
Epsilon Indi	7.0	-0.90	4130	K3	*61 Cygni A	7.6	-1.12	4130	K3
*61 Cygni B	8.4	-1.45	3870	K5	*Struve 2398 A	11.2	-2.56	3070	M3
*Struve 2398 B	11.9	-2.88	2940	M4	Tau Ceti	5.7	-0.39	5150	G8
*Procyon A	2.6	0.88	6600	F5	*Procyon B	13.0	-3.30	9700	DF
Lacaille 9352	9.6	-1.93	3340	M1	G51-I5	17.0	-4.91	2500	M7
YZ Ceti	14.1	-3.75	2670	M5	BD +051668	11.9	-2.88	2800	M4
Lacaille 8760	8.7	-1.60	3340	K5.5	Kapteyn's Star	10.9	-2.45	3480	M0
*Kruger 60 A	11.9	-2.85	2940	M3.5	*Kruger 60 B	13.3	-3.42	2670	M5
BD -124523	12.1	-2.93	2940	M3.5	Ross 614 A	13.1	-3.35	2800	M4
Wolf 424 A	15.0	-4.09	2670	M5	van Maanen's Star	14.2	-3.78	13000	DB
TZ Arietis	14.0	-3.70	2800	M4	HD 225213	10.3	-2.23	3200	M22
Altair	2.2	1.00	8060	A7	AD Leonis	11.0	-2.50	2940	M3.5
*40 Eridani A	6.0	-0.50	4900	K1	*40 Eridani B	11.1	-2.54	10000	DA
*40 Eridani C	12.8	-3.20	2940	M3.5	*70 Ophiuchi A	5.8	-0.40	4950	K0
*70 Ophiuchi B	7.5	-1.12	3870	K5	EV Lacertae	11.7	-2.78	2800	M4

