

CON	TYPE	OBJ ID	RA	DEC	DESCRIPTION and COMMENT	AKA
And	Dbl		02 01.0	42 06	2.3 & 5.1, orange & blue	
And	Dbl	Md 266	02 03.9	42 20	Gamma Andromadae, 2.3, 4.8 Sep 9.7" gld & blu, blu * is dbl, Md #16	Almach
Aql	Dbl	No. 15	19 04.9	-04 01	6.0, 7.0, sep 38", yellow and orange, spectra gK1 and gK4	
Aqr	Dbl	Md 347	22 28.8	-00 01	4.3, 4.5 Sep 2.0" yellow & blue, 75 l/y distant, Seeing Test	Zeta Aquarii
Ari	Dbl	Md 262	01 53.5	19 18	4.8, 4.8 Sep 7.8", both yellow	Gamma Arietis
Ari	Dbl	No. 9	01 57.9	23 35	Spectra A5, 4.8 yellow, 7.3 blue, sep 38"	Lambda Arietis
Ari	Dbl	Md 270	02 37.0	24 39	6.5, 7.1 Sep 38.3"	#30 Arietis
Aur	Dbl	Si 764	05 41.4	29 29	6.8 & 7.5, Sep 26", spectra B8 & A0	
Aur	Star	UU	06 36.5	38 26	Variable 235 day period, N3 spectra	Red star
Boo	Dbl	No. 17	14 13.5	51 48	5.0, 7.0, sep 13", A7, F2 spectra	
Boo	Dbl	Md 311	14 45.0	27 04	2.5, 4.9 Sep 6.6" orange & green	Pi Bootis
Boo	Dbl	Md 312	14 51.4	19 06	4.7, 7.0 Sep 6.6" both variable), orange & blue	Xi Bootis
Cam	OC	Kemmel 1	03 58.0	63 06	3 degree chain of stars, SAO 12969 in center of line,	Kemle 1
Cam	Tpl	Si 1127	07 47.0	64 03	6.0, 8.0, 9.0, sep 5~11", A2 spectra, white and orange colors	
Cap	Dbl	Md 228	20 21.0	-14 47	3.1, 6.1 Sep 3'.4", yellow & blue, Bino Object	Beta 1&2 Capricorni
Cas	Dbl	WZ	00 01.2	60 21	7.0 red, 8.0 blue, sep 58"	
Cas	Dbl	Si 3053	00 02.5	66 05	6.0 yel, 7.5 blue, sep 15"	
Cas	Dbl	Md 251	00 46.0	57 33	3.6 & 7.5, Sep 10", Violet & Purple	
Cas	Dbl	Si 163	01 51.2	64 50	6.8 dark orange, 8.8 gold, sep 34", good contrast	
Cas	Dbl	Md 269	02 29.1	67 42	4.6, 6.9-Sep 2.5"	Iota Cassiopeia
Cep	Dbl	Md 236	21 28.7	70 34	3.8 & 8.0, gold & blue/green,	Beta Cephei
Cep	Star	Mu	21 43.5	58 46	3.7 to 5.0 750 day variable, RED STAR	Herschel's garnet star
Cep	Dbl	No. 17	22 15.3	64 37	4.6, 6.5, sep 8", spectra a & F7, white & dirty white	Xi Cephei
Cep	Dbl	No. 27	22 29.1	58 25	4.0, 6.0, 5.4 day variable, CEPHEID VARIABLE, Delta Cep, F5 spectra, 1st C	Delta Cephei
Cet	Star	No. 68	02 19.2	-02 59	Red star, MIRA an R LYRAE star, variable mag of 3.0 to 9.0 in 331 day period	MIRA - an R Lyrae star
Cet	Dbl	No. 92	03 02.3	04 05	Optical double star, mag. 2.5 yel, 5.6 blue, sep 16"	Alpha Ceti
Cnc	Dbl	Struve 1177	08 05.6	27 32	6.6, 7.5, sep 3.5", spectral type-B9-whitish gold, PA 351° Seeing Test	
Cnc	Tpl	Md 293	08 12.2	17 39	5.4, 6.0 Sep 5.6" (5.4 star is a dbl), yellow, yellow, blue	Zeta 1 & 2 Cancri
Cnc	Dbl	Theta 2 Cnc	08 26.8	26 56	6.3, 6.3, sep 5.1", spectra type-A2, A2	
Cnc	Dbl	Cnc # 48	08 46.7	28 46	4.2, 6.6, sep 30", yellow/orange, blue/green, spectra G5 & A5	Iota Cancri
Cnc	Dbl	Struve 1131	09 07.4	22 59	6.9, 7.3, sep 7.5", spectral type-F5-reddish orange	
Com	Dbl	Md 302	12 35.1	18 23	5.0, 6.6 Sep 20.3", blue and yellow,	#24 Coma Berenices
Com	OC	Mel 111	24 24.3	26 06	Lrg open of 5~6 mag **, centrl area in shape of lower pt Xmas tree	Coma star cluster
CrB	Dbl	Md 318	15 39.4	36 38	5.1, 6.0 Sep 6.3"	Zeta Corona Borealis
CrB	Dbl	Md 320	16 14.7	33 52	5.6, 6.6-Sep 7.1"	Sigma Coronae
Cru	Dbl	Md 301	12 26.6	-63 06	1.3, 1.7 Sep 4".2,	Alpha Crucis
Cyg	Dbl	Si 2486	19 12.1	49 50	In dense star field, 6.6, 6.8, sep 68", G4 spectra	
Cyg	Dbl	Md 339	19 30.7	27 58	ALBERIO, 3.1, 5.1 Sep 34.4" , gold & blue, 410 l/y dist	Alberio / Beta Cygni

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Cyg	Dbl	No. 16	19 41.9	50 31	Spectra G2, G5, 6.3, 6.4, sep 39"	
Cyg	Quad	No. 21	19 56.3	35 04	Psuedo "trapezium", 5.0, 11, 11, 12 separation 46 and 50"	Eta Cygni
Cyg	Tpl	No. 26	20 01.4	50 06	5.0, 8.0, 11.0, sep 42, 9", all variable **, K1 spectra, gld, yello/orng & blu	
Cyg	OC		20 06.0	47 33	Long handled dipper shaped asterism of 10 mag 8-9 stars	
Cyg	Quad	Star	20 13.6	46 44	3.8, 6.7 Sep 1.8", 8.0 sep 5.6', 7.0 sep 1.8', Four Star Set	Omicron Cygni
Cyg	Dbl	Md 346	21 06.9	38 45	61 Cygni, K5 5.2, K7 6.0 Sep 30.3", 11 l/y distant	
Del	Dbl	Md 342	20 46.7	16 07	4.3, 5.1 Sep 9.6", K2 gold & F8 aqua	Gamma Delphini
Dra	Tpl	No. 16/17	16 36.2	52 55	5.0, 5.0, 6.0, sep 3", white, A0 stars	
Dra	Dbl	Md 325	17 05.3	54 28	5.7, 5.7-sep 1.9" <span style="float: right;">Seeing Test</span>	Mu Draconis
Dra	Star	UX	19 21.6	76 33	Spectra N0, 6.2-7.0 170 day variable	Red star
Eri	Dbl	Md 260	01 39.8	-56 12	5.8, 5.9 Sep 11.5", close observation shows triple of 5.8, 5.9 & 6.8	p Eridani
Eri	Dbl	Md 277	03 54.3	-02 57	4.8, 6.1 Sep 6.8"	#32 Eridani
For	Dbl	Bu1041	03 44.8	27 55	127" sep	
Gem	Dbl	No. 20	06 32.0	17 53	6.7, 6.9 yellow, blue, sep 20", spectra F8	
Gem	Dbl	Md 292	07 34.6	31 53	Alpha Geminorum - CASTOR-1.9, 2.9 Sep 3.9"	Castor
Her	Dbl	Md 317	15 34.8	10 32	4.2, 5.2 Sep 4.4", yellow & ashen components	Delta Serpentis
Her	Quas	Mrk 501	16 53.5	39 45	Variable mag, 425 million l/y distant	
Her	Dbl	Md 327	17 14.6	14 23	3.5, 5.4 Sep 4".6(700 AU), yellow & blue, 3.5 mag star is variable	Alpha Herculis
Her	Dbl	Md 328	17 23.7	37 09	4.6, 5.6 Sep 4.1"	Rho Herculis
Her	Dbl	Md 329	18 01.5	21 36	5.0, 5.2 Sep 6.3", bluish white and orange	95 Herculis
Her	Dbl	No. 100	18 07.8	26 06	A3 spectra 5.9, 6.0, sep 14"	
Hya	Star	U	10 37.6	-13 23	4.8 to 5.8 450 day variable	Red Star
Lac	Quad	No. 8	22 35.8	39 38	6, 6,10, 9, sep 22,48,81", B1 & B2 spectra, 2 ** white/light yel, 1 blue *	
Leo	Dbl	Md 296	10 20.0	19 51	6.2, 7.0 Sep 4.4", deep yellow & slightly green (topaz)	Gamma Leonis
Leo	Dbl	No. 54	10 55.6	24 46	4.5, 6.4, sep 7", white and blue both w/A1 spectra	
Leo	Dbl	Star	11 27.0	03 00	Yel-5 & Blue-7 mag, sep 90"	
Leo	Dbl	No. 88	11 31.8	14 22	6.2, 8.6, sep 15", white & orange	
Lib	Dbl	No. 9	14 50.9	-16 02	3.0, 5.0, sep 231", Alpha Librae or Zubenelgenubi	The Southern Claw
Lib	Dbl	Star	14 50.9	-16 02	2.8, 5.2 Sep 3'.9, (A true binary star system)	Alpha 1&2 Librae
Lup	Tpl	Star	15 18.5	-47 53	5.0, 5.1, 7.2 Sep 1.3", 24.0"	Mu Lupi
Lyn	Tpl	Md 288	06 46.2	59 27	5.4,6.0,7.3-Sep 1.7" & 8.6"	12 Lynx
Lyn	Tpl	No. 19	07 22.9	55 17	5.0, 6.0, 11.0, 15 to 74" sep,B8 & A0 spectra, 1 member lilac color	
Lyr	Dbl	Md 334	18 44.3	39 40	5.0, 6.1 Sep 2.6" (1/2 of the dbl-dbl), white	Epsilon 1 Lyrae
Lyr	Dbl	Md 335	18 44.4	39 36	5.2, 5.5 Sep 2.3" (1/2 of the dbl dbl), white	Epsilon 2 Lyrae
Lyr	Dbl	No. 6	18 44.7	37 36	4.0, 6.0, SEP 44", yellow & greenish stars	#6 Zeta Lyrae
Lyr	Dbl	No. 11/12	18 54.5	36 53	4.5, 5.5, sep 10', red and blue pair	Delta 1 & 2 Lyrae
Mon	Tpl	Md 287	06 28.8	-07 02	Beta Moncerotis, difficult to separate, 4.7, 5.2, 6.1 Sep 7.2" and 9.9"	Beta Moncerotis
Oph	Tpl	No. 53	17 34.6	09 34	5.7, 11.0, 11.0, sep 41", 94', 91" resp. A2 spectra, blu & light yellow	
Oph	Dbl	Md 331	18 05.5	02 30	4.0, 6.0 Sep 3.8", yellowish orange and orange	#70 Ophiuchi

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Ori	Dbl	Md 284	05 14.5	-08 12	Rigel, 0.1, 6.8 Sep 9.5"	Beta Orionis
Ori	Dbl	Si 747	05 35.0	-06 00	4.7 & 5.6, sep 36", B8 & A0 spectra	
Ori	Dbl	Md 285	05 35.1	09 56	Yellow & purple, 3.6, 5.6 Sep	Lambda Orionis
Ori	Quad	Star	05 35.3	-05 23	E & F star easily visable w/12"	Trapezium
Ori	Star	multi-5	05 38.8	-02 36	5 star sys, 3.8 & 6.6 sep by 1/4 arc sec, mag 8 & 10 & 12 sep by 12&40 arc sec resp.	
Ori	Star	Md 56	05 55.2	07 24	Alpha Ori, Betelegeuse, M2 spectra (red)	Betelegeuse
Per	Dbl	No. 15	02 47.0	55 41	3.9 & 8.6, yellow & blue	Eta Persei
Per	Dbl	Si 336	03 01.4	32 24	Spectra G5, 6.9 yel, 8.0 blue, sep 8", aka SAO56095	
Per	Dbl	Md 24	03 08.2	40 57	Eclipsing binary, 2.9 days, mag 3.4~ 2.1 in 10 hour period	Algol-Demon star
Per	Dbl	Si 552	04 31.4	40 00	B8 spectra, 6.9 & 7.1, 9" sep,	
Psc	Dbl	Md 254	00 49.9	27 43	6.3, 6.3 Sep 4.6", yellow & blue	65 Piscium
Psc	Dbl	Md 257	01 05.6	21 28	5.3, 5.6 Sep 30.0", yellow & blue	Psi Picium
Psc	Dbl	Md 259	01 13.7	07 35	5.2, 6.3 Sep 23.0", yellow & blue	Zeta Picium
Psc	Star	No. 19	23 46.3	03 29	Spectra N0, aka TX Psc, 5.5 to 6.0 slow variable	Red star
Sco	Dbl	Md 319	16 04.4	-11 22	4.2, 7.3 Sep 7.6", yellow and light orange	Xi Scorpii
Tau	Dbl	No. 52	04 20.4	27 21	Phi Tauri & Sh 40, K0 spectra, 5.0 to 9.0, sep 52", variable	
Tau	Star	Var	04 22.0	19 32	T. TAURI type star, 9.0 to 13.0 variable	
Tau	OC	Mel 25	04 27.0	16 00	Mag 5~6**, N~S around Aldebaran, Md dbl ** #228D in middle	Hyades
Tau	Star	CE/119	05 32.2	18 36	Spectra M2, 165 day period, Variable 4.7 to 5	
Tri	Dbl	Md 267	02 12.4	30 18	5.2, 6.7 Sep 3.9", yellow & blue	#6 Triangulum
UMa	Star	Laland	11 03.2	35 58	Single star, 8.2 l/y distant with known planet, yellowish red in color	Lalande 21185
UMa	Quas	Mrk 421	11 04.3	38 12	390 million l/y distant, diffuse collar of fuzz, BL Lacerta type	
UMa	Dbl	M40	12 22.4	58 05	DOUBLE STAR, 9 & 9.6, 50" separation	Messier 40
UMa	Dbl	Md 305	13 23.9	54 56	2.3, 4.0 -Sep 14.4", both stars white color	Zeta Ursae Majoris
Vel	Star	WC7	08 09.3	-47 20	Wolf-Rayet star/temperaure is 50mm degrees, RED STAR	Gamma Velore
Vir	Dbl	Md 303	12 41.7	-01 27	3.5, 3.5 Sep 1.8", white Gamma Virginis surrounded by several gxs, Seeing Test	Porrima
Vul	OC	Cr 399	19 25.4	20 11	10 mag 7~8 stars,	Coathanger