

SAO	Cons	Name1	Name2	Arr	Mn1	Mn2	Sep	PA	Spect	RA	Dec	SAO	Cons	Name1	Name2	Arr	Mn1	Mn2	Sep	PA	Spect	RA	Dec
49337	Cyg	31 Cyg	Σ 50	Aa-D	3.93	4.83	330.7	324°		20h13m37.9s	+46°44'29"	101951	Her	κ Her	Σ 2010	AB	5.1	6.21	27.7	13°	G7III	16h08m04.5s	+17°02'49"
163614	Cap	ρ Cap	SHJ 323	AD	4.97	6.68	258.7	150°		20h28m51.6s	-17°48'49"	173349	CMa	HJ 3945			5	5.84	26.7	52°	K3Ib dF0	07h16m36.8s	-23°18'56"
197824	Pup	JC 10	NV Pup	AB	4.66	5.07	240	98°	B2V+B3IV	07h18m18.4s	-36°44'02"	31051	Dra	Σ 2348		AB-C	5.5	8.65	25.3	271°		18h33m56.7s	+52°21'13"
55107	And	56 And	Σ 4	AB	5.79	6.07	200.5	299°	K0III gM0	01h56m09.5s	+37°15'07"	78395	Gem	SHJ 70		AB	6.65	8.18	25.2	203°	K2III	06h27m46.5s	+20°47'22"
89940	Cyg	μ Cyg	Σ 2822	AD	4.75	6.94	197.5	45°	F7V F2V	21h44m08.7s	+28°44'32"	42931	Lyn	Σ 1369		Aa-B	6.98	7.98	24.5	150°		09h35m22.5s	+39°57'48"
148036	Cet	χ Cet	ENG 8		4.69	6.81	184.7	251°	F3III	01h49m35.0s	-10°41'12"	157323	Crv	δ Crv	SHJ 145		2.95	8.47	24.3	216°	B9.5V	12h29m54.0s	-16°31'30"
25001	Cam	11 Cam	Σ 13	AB	5.2	6.21	178.7	9°	B2.5Ve	05h06m08.5s	+58°58'20"	101437	Ser	Σ 1919			6.71	7.38	23.7	11°	G1V G5V	15h12m43.2s	+19°17'12"
98967	Leo	α Leo	Σ 6	AB	1.4	8.24	176	308°	B7V	10h08m22.3s	+11°58'02"	109739	Psc	ζ Psc	Σ 100	AB	5.22	6.15	23.3	63°	A7IV F7V	01h13m44.0s	+07°34'31"
127029	Peg	ε Peg	S 798	AC	2.53	8.74	144.2	321°		21h44m12.0s	+09°52'00"	124068	Ser	θ Ser	Σ 2417	AB	4.59	4.93	23	104°	A5V A5Vn	18h56m13.2s	+04°12'13"
64686	Boo	μ Boo	Σ 28	Aa-BC	4.33	7.09	107.1	170°	F2Ia G0V	15h24m29.4s	+37°22'38"	107489	Peg	Σ 2841		A-BC	6.45	7.99	22.9	109°	K0III+F7V	21h54m17.4s	+19°43'05"
64589	Boo	δ Boo	Σ 27		3.56	7.89	102.4	79°	G8IIICN-1	15h15m30s	+33°19'00"	72509	Lac	8 Lac	Σ 2922	Aa-B	5.66	6.29	22.7	185°	B2Ve B5	22h35m52.3s	+39°38'04"
170759	Lep	γ Lep	H 6 40	AB	3.64	6.28	97.1	350°	F6V K2V	05h44m27.6s	-22°26'57"	104308	Aql	11 Aql	Σ 2424	AB	5.32	9.3	21.5	300°	F6IV	18h59m05.8s	+13°37'19"
30013	Dra	17 Dra	Σ 30	AC	5.38	5.5	89.8	196°		16h36m13.7s	+52°55'28"	2102	Cam	Σ 1694		AB	5.29	5.74	21.5	328°	A1III	12h49m13.7s	+83°24'47"
98021	Cnc	Σ 1254		AC	6.52	7.61	63.3	343°		08h40m22.1s	+19°40'12"	122690	Oph	61 Oph	Σ 2202	AB	6.13	6.47	21.3	93°	A1IV-V	17h44m34.1s	+02°34'46"
30450	Dra	v Dra	Σ 35		4.87	4.9	62.6	312°	A4m A6V	17h32m16.1s	+55°10'23"	100160	Com	24 Com	Σ 1657		5.11	6.33	20.2	271°	K2III	12h35m07.8s	+18°22'38"
132220	Ori	δ Ori	Σ 14	Aa-C	2.41	6.83	53.3	1°	B4	05h32m00.4s	-00°17'57"	63257	CVn	α CVn	Σ 1692		2.85	5.52	19.3	229°	A0pSiEuHg	12h56m01.6s	+38°19'07"
109087	Psc	35 Psc	Σ 12	A-BC	4.36	9.88	49.4	313°	K1III	00h14m58.9s	+08°49'15"	8996	Dra	41 Dra	Σ 2308	AB	5.7	6	19.2	232°	F7V F7V	18h00m09.2s	+80°00'16"
76558	Tau	φ Tau	SHJ 40	AB	5.08	7.51	49.2	256°	K2III	04h20m21.2s	+27°21'02"	76573	Tau	χ Tau	Σ 528		5.37	8.54	19.1	25°	B9Vnn F8V	04h22m35.0s	+25°37'45"
67451	Lyr	β Lyr	Σ 39	AB	3.63	6.69	47.4	151°	B7Ve+A8p	18h50m06.0s	+33°22'00"	308	UMi	α UMi		AB	1.9	8.2	18.3	217°	F7Ib	02h31m48.7s	+89°15'51"
163422	Cap	α 1 Cap	HJ 607	AC	4.24	9.6	45.6	224°		20h17m38.9s	-12°30'30"	84692	Her	56 Her	Σ 2110		6.1	10.8	18	91°	G8III	16h55m02.2s	+25°43'50"
67566	Lyr	SHJ 282		AC	6.14	7.6	45.1	349°		18h54m52.5s	+33°58'07"	13031	Cam	Σ 485		AE	6.91	6.94	17.7	305°	B0II B0I	04h07m51.4s	+62°19'48"
7867	UMi	HJ 2682		AC	6.7	9	43.8	318°		13h40m40.8s	+76°50'38"	129752	Cet	66 Cet	Σ 231	AB	5.72	7.71	17.2	236°	F8V G1V	02h12m47.7s	-02°23'38"
67324	Lyr	ζ Lyr	Σ 38	AD	4.34	5.62	43.6	150°	F0IVv	18h44m46.4s	+37°36'19"	67879	Lyr	Σ 2474		Aa-B	6.78	7.88	16.6	263°		19h09m04.4s	+34°36'03"
59230	Aur	OΣ 147		AB	6.77	8.69	43.5	75°	K0	06h34m19.4s	+38°04'34"	46147	Her	Σ 2063			5.69	8.7	16.3	196°	A2V	16h31m47.2s	+45°35'54"
159764	Sco	V Sco	H 6	Aa-C	4.21	6.6	41.3	338°		16h11m59.7s	-19°27'39"	72228	Lac	Σ 2894		AB	6.21	8.85	16.1	190°	A8III	22h18m56.2s	+37°46'10"
34508	Cep	δ Cep	Σ 58	AC	4.21	6.11	40.6	191°	B7V	22h29m10.3s	+58°24'55"	26312	Lyn	19 Lyn	Σ 1062	AB	5.76	6.71	15.1	315°	B8V B9V	07h22m52.0s	+55°16'53"
29372	Boo	SHJ 191			6.86	7.57	40.3	342°	F1V F1V	14h59m34.6s	+53°51'37"	57799	Aur	14 Aur	Σ 653	AC	5.03	7.33	15	227°	F3V	05h15m24.4s	+32°41'15"
142996	Aql	15 Aql	SHJ 286		5.52	6.98	40.2	210°	K0IV	19h04m57.7s	-04°01'53"	101673	Ser	OΣ 300			6.32	10.07	15	260°	G7.5IIIa	15h40m10.3s	+12°03'11"
29071	Boo	i Boo	Σ 26	AB	4.76	7.39	39.7	34°	A7IV KOV	14h16m09.9s	+51°22'03"	85753	Her	100 Her	Σ 2280	Aa-B	5.81	5.84	14.5	183°	A3V	18h07m49.6s	+26°06'05"
74182	Psc	55 Psc	Σ 46	Aa-B	6	6.23	39.5	133°	G1.5V	00h39m55.6s	+21°26'18"	28737	UMa	ζ UMa	Σ 1744	AB	2.23	3.88	14.3	153°	A1V	13h23m55.6s	+54°55'31"
31898	Cyg	16 Cyg	ΣA 46		5.96	6.2	39.4	133°	G1.5V	19h41m48.9s	+50°31'29"	75265	Tri	Σ 239			7.09	7.83	13.8	212°	F7V F9V	02h17m25.3s	+28°44'42"
75471	Ari	30 Ari	Σ 5		6.5	7.02	39	275°	F5V F7V	02h37m00.6s	+24°38'50"	29046	Boo	κ Boo	Σ 1821		4.53	6.62	13.5	237°	A7V F1V	14h13m29.0s	+51°47'24"
75051	Ari	λ Ari	H 5 12	AB	4.8	6.65	38.2	47°	F0IV F7V	01h57m55.7s	+23°35'46"	104203	Her	Σ 2411		AB	6.63	9.61	13.3	95°	G9III	18h52m18.6s	+14°32'08"
31218	Dra	o Dra	Σ 2420	AB	4.77	8.26	36.5	319°	G7III-IV	18h51m12.1s	+59°23'18"	10057	Cep	β Cep	Σ 2806	Aa-B	3.17	8.63	13.2	248°		21h28m39.6s	+70°33'39"
143898	Aql	57 Aql	Σ 2594		5.65	6.35	36.3	170°	B7Vn B8V	19h54m37.7s	-08°13'38"	132314	Ori	θ 1 Ori	Σ 748	Ca,D	5.06	6.38	13.2	62°		05h35m16.5s	-05°23'23"
132301	Ori	Σ 747		AB	4.7	5.51	36.2	224°	B0.5V B1V	05h35m02.7s	-06°00'07"	159682	Sco	β Sco	H 3 7	AC	2.59	4.52	13.1	24°	B2V	16h05m26.2s	-19°48'20"
87301	Cyg	β Cyg	Σ 43	Aa-B	3.19	4.68	35.3	54°		19h30m43.3s	+27°57'35"	21732	Cas	η Cas	Σ 60	AB	3.52	7.36	12.9	319°	G0V dM0	00h49m06.7s	+57°48'51"
12006	Cas	Σ 163		AB	6.8	9.13	35	37°	K4+Ib-IIa	01h51m16.9s	+64°51'18"	132406	Ori	σ Ori	Σ 762	AB,D	3.76	6.56	12.7	84°		05h38m44.8s	-02°36'00"
109666	Psc	77 Psc	Σ 90	AB	6.39	7.26	33.8	83°	F3V F5V	01h05m49.2s	+04°54'29"	165625	Aqr	94 Aqr	Σ 2998	Aa-B	5.27	6.97	12.6	349°		23h19m06.8s	-13°27'31"
124698	Aql	Σ 2532		AB	6.09	10.6	32.7	3°	M1III	19h30m10.5s	+02°54'15"	58280	Aur	26 Aur	Σ 753	AB-C	5.46	8.41	12.3	269°	A2	05h38m38.1s	+30°29'33"
70919	Cyg	61 Cyg	Σ 2758	AB	5.35	6.1	31.8	151°	K5V K7V	21h06m55.9s	+38°45'22"	27970	UMa	Σ 1520			6.54	7.81	12.3	344°	F6V F9V	11h16m04.1s	+52°46'24"
2556	UMi	Σ 1972		AB	6.64	7.3	31.7	78°		15h29m11.2s	+80°26'56"	113810	Mon	ε Mon	Σ 900	AB	4.42	6.64	12.1	29°	A5IV F5V	06h23m46.1s	+04°35'34"
57999	Aur	Σ 698		AB	6.65	8.33	31.2	347°	K2III	05h25m12.9s	+34°51'18"	23763	Per	Σ 331			5.21	6.17	11.9	85°	B7V B9V	03h00m52.2s	+52°21'06"
41330	Aur	ψ 5 Aur	SHJ 75	AB	5.31	8.65	31.1	38°	G0V	06h46m44.3s	+43°34'40"	84951	Her	δ Her	Σ 3127	Aa-B	3.14	8.3	11.8	283°		17h15m22s	+24 49'43"
80416	Cnc	i Cnc	Σ 1268		4.13	5.99	30.7	308°	G7.5IIIa	08h46m41.8s	+28°45'35"	33626	Cep	Σ 2816		AC	5.73	7.48	11.8	120°		21h38m57.6s	+57°29'20"
8890	Dra	ψ Dra	Σ 2241	AB	4.6	5.59	30.7	16°	F5IV F8V	17h41m56.4s	+72°08'54"	79489	Gem	Σ 1108			6.62	8.21	11.7	180°		07h32m50.6s	+22°53'15"
74482	Psc	ψ 1 Psc	Σ 88	AB	5.27	5.45	30.3	159°	B9.5V A0V	01h05m41.0s	+21°28'23"	44097	CVn	2 CVn	Σ 1622		5.86	8.71	11.5	260°	M1III+F7V	12h16m07.6s	+40°39'36"
75510	Ari	33 Ari	Σ 289		5.3	9.56	28.6	2°	A3V	02h40m41.1s	+27°03'39"	140672	Lib	Σ 1962			6.44	6.49	11.5	190°	F8V F8V	15h38m40.2s	-08°47'21"
23655	Per	η Per	Σ 307	AB	3.76	8.5	28.5	301°	M3Ib-IIa	02h50m41.8s	+55°53'44"	58905	Aur	Σ 872		AB	6.89	7.38	11.4	216°	F4IV	06h15m39.0s	+36°08'55"
105104	Sge	H N 84			6.38	9.46	28.2	302°	K4Ib	19h39m25.3s	+16°34'16"	132323	Ori	i Ori	Σ 752	AB	2.9	7	11.3	141°	O9III	05h35m26.0s	-05°54'36"

SAO	Cons	Name1	Name2	Arr	Mn1	Mn2	Sep	PA	Spect	RA	Dec	SAO	Cons	Name1	Name2	Arr	Mn1	Mn2	Sep	PA	Spect	RA	Dec
126428	Equ	ε Equ	Σ 2737	AB-C	5.3	7.05	10.7	67°		20h59m04.4s	+04°17'35"	74296	Psc	65 Psc	Σ 61		6.33	6.34	4.4	115°	F5III	00h49m53.2s	+27°42'37"
24672	Cam	1 Cam	Σ 550	AB	5.78	6.82	10.6	308°	B0III	04h32m01.8s	+53°54'39"	60198	Gem	α Gem	Σ 1110	AB	1.93	2.97	4.4	60°	A1V A2Vm	07h34m35.8s	+31°53'17"
207144	Lup	ξ Lup	PZ 4		5.09	5.56	10.4	49°	A3V B9V	15h56m53.5s	-33°57'58"	83259	Boo	Σ 1825			6.47	8.42	4.4	156°	F6V	14h16m32.8s	+20°07'18"
185238	Oph	ο Oph	H 3 25		5.23	6.64	10.3	352°	G8III	17h18m00.7s	-24°17'13"	76682	Tau	Σ 572		AB	7.36	7.21	4.4	190°	F2V F2V	04h38m29.5s	+26°56'21"
116929	Cnc	Σ 1245		AB	5.98	7.16	10.3	25°	F8V G5V	08h35m50.9s	+06°37'12"	112921	Ori	λ Ori	Σ 738	AB	3.51	5.45	4.3	44°	O8 B0.5V	05h35m08.3s	+09°56'03"
174199	Pup	H 3 27		AB	4.4	4.62	9.8	318°	B6V B6V	07h38m49.9s	-26°48'14"	101624	Ser	δ Ser	Σ 1954	AB	4.17	5.16	4.1	173°	F0IV	15h34m48.1s	+10°32'20"
174020	Pup	H N 19			5.82	5.85	9.8	117°	F5/7V	07h34m18.6s	-23°28'25"	66001	Her	ρ Her	Σ 2161	Aa-B	4.5	5.4	4.1	319°		17h23m40.9s	+37°08'45"
17410	Dra	Σ 2155		AB	6.93	9.97	9.7	113°	F3III	17h16m04.9s	+60°42'50"	55347	Tri	6 Tri	Σ 227		5.26	6.67	4	69°	G0III	02h12m22.3s	+30°18'11"
37734	And	γ And	Σ 205	A-BC	2.31	5.02	9.6	63°	K3Ib	02h03m54.0s	+42°19'47"	109111	Psc	Σ 22		AB-C	7.13	7.66	4	235°		00h17m24.6s	+08°52'36"
106476	Del	γ Del	Σ 2727		4.36	5.03	9.5	266°	K1IV F7V	20h46m39.5s	+16°07'26"	58636	Aur	θ Aur	OΣ 545	AB	2.7	7.2	3.8	308°	A0pSi	05h59m43.3s	+37°12'45"
131443	Eri	55 Eri	Σ 590		6.74	6.78	9.4	317°	G5III	04h43m34.8s	-08°47'40"	93775	Tau	Σ 495			6.11	8.77	3.8	223°	F3V	04h07m42.0s	+15°09'46"
179967	Hya	H 3 96			5.64	5.73	9.4	210°	F8V F8V	11h32m16.4s	-29°15'39"	28572	UMa	Σ 1695		AB	6.04	7.75	3.6	281°	A5m	12h56m17.5s	+54°05'58"
131907	Ori	β Ori	Σ 668	A-BC	0.3	6.8	9.4	204°	B8Iae:	05h14m32.3s	+08°12'06"	38700	Per	Σ 369			6.83	7.72	3.6	29°	B9VpSi	03h17m11.5s	+40°28'58"
105298	Sge	ζ Sge	Σ 2585	AB-C	5.04	9.01	8.4	311°		19h48m58.7s	+19°08'32"	61077	Lyn	Σ 1282			6.86	7.76	3.57	279°		08h50m44.2s	+35°04'16"
56095	Per	Σ 336			6.96	8.27	8.4	8°	G5IV	03h01m29.1s	+32°24'46"	104170	Aql	Σ 2404			6.92	7.77	3.5	179°		18h50m45.6s	+10°58'35"
19827	Cep	ξ-2 Cep	Σ 2863	Aa-B	4.45	6.4	7.9	275°		22h03m47.5s	+64°37'41"	152123	CMa	μ CMa	Σ 997	AB	5.27	7.14	3.2	345°	G5III+A2	06h56m06.6s	-14°02'36"
92681	Ari	γ Ari	Σ 180	AB	4.52	4.58	7.6	0°	A1pSi B9V	01h53m31.9s	+19°17'37"	35947	Cas	σ Cas	Σ 3049	AB	4.99	7.24	3.2	327°	B1V	23h59m00.5s	+55°45'18"
159665	Sco	ξ Sco	Σ 1998	AC	4.9	7.3	7.5	46°	G1V	16h04m22.1s	-11°22'23"	74966	Ari	1 Ari	Σ 174		6.33	7.21	2.9	164°	G3III	01h50m08.6s	+22°16'31"
48193	Cyg	Σ 2486		AB	6.54	6.67	7.5	206°	G3V G3V	19h12m04.9s	+49°51'25"	83500	Boo	ε Boo	Σ 1877	AB	2.58	4.81	2.9	343°	K0II-III	14h44m59.2s	+27°04'27"
96265	Gem	38 Gem	Σ 982	AB	4.7	7.68	7.3	147°	F0Vp	06h54m38.7s	+13°10'40"	12298	Cas	ι Cas	Σ 262	Aa-B	4.63	6.92	2.9	230°	A5pSr	02h29m03.9s	+67°24'09"
79653	Gem	κ Gem	OΣ 179		3.7	8.2	7.2	241°	G8IIa	07h44m26.8s	+24°23'52"	184382	Oph	ρ Oph	H 2 19	AB	5.07	5.74	2.9	340°	B2IV B2V	16h25m35.1s	-23°26'50"
65165	CrB	σ CrB	Σ 2032	AB	5.62	6.49	7.2	237°	G0V G1V	16h14m40.7s	+33°51'30"	126482	Equ	Σ 2742			7.41	7.64	2.8	216°	F8	21h02m12.5s	+07°10'47"
133316	Mon	β Mon	Σ 919	AB	4.62	5	7.1	133°	B3Ve B3ne	06h28m49.1s	-07°01'59"	45231	Boo	39 Boo	Σ 1890		6.31	6.67	2.7	46°	F6V+F5V	14h49m41.3s	+48°43'16"
132515	Ori	Σ 790			6.43	8.98	7.1	89°		05h46m02.9s	-04°16'07"	61391	Lyn	38 Lyn	Σ 1334	A-Bb	3.92	6.09	2.6	226°	A3V	09h18m50.6s	+36°48'08"
172676	CMa	ε CMa	CPO 7		1.5	7.5	7	161°	B2II	06h58m36.0s	-28°58'53"	132444	Ori	ζ Ori	Σ 774	Aa,B	1.88	3.7	2.6	166°	O9.5Ibe	05h40m45.5s	-01°56'33"
128160	Psc	Σ 3009		AB	6.87	8.76	7	232°	K2III	23h24m16.5s	+03°42'56"	145065	Aqr	12 Aqr	Σ 2745	Aa-B	5.8	7.5	2.5	194°		21h04m04.7s	-05°49'23"
103373	Oph	Σ 2276		AB	7.09	7.44	6.9	257°	A7p	18h05m43.3s	+12°00'14"	67310	Lyr	ε 1 Lyr	Σ 2382	AB	5.01	6.1	2.4	348°	A4V F1V	18h44m20.4s	+39°40'13"
75940	Ari	Σ 394		Aa-B	7.05	8.16	6.8	165°	A3 G5	03h28m01.4s	+20°27'51"	67315	Lyr	ε 2 Lyr	Σ 2383	Cc-D	5.25	5.38	2.4	80°	A8Vn F0Vn	18h44m20.4s	+39°40'13"
111291	Tau	Σ 422			6	8.9	6.8	272°	G8V	03h36m47.3s	+00°35'15"	30239	Dra	μ Dra	Σ 2130	AB	5.66	5.69	2.4	12°	F7V	17h05m20.1s	+54°28'13"
118449	Sex	35 Sex	Σ 1466	AB	6.23	7.13	6.7	241°		10h43m20.9s	+04°44'51"	110707	Cet	γ Cet	Σ 299	AB	3.55	6.18	2.3	298°	A1V	02h43m18.0s	+03°14'08"
81583	Leo	54 Leo	Σ 1487		4.48	6.3	6.6	113°	A1V A2Vn	10h55m36.8s	+24°44'59"	71230	Cyg	OΣ 437		AB	6.2	6.7	2.3	22°	G4V	21h20m50.1s	+32°27'08"
85648	Her	95 Her	Σ 2264		4.85	5.2	6.5	257°	A5IIIn	18h01m30.4s	+21°35'45"	73656	And	Σ 3050		AB	6.46	6.72	2.2	334°	F8V	23h59m29.3s	+33°43'25"
79375	Gem	Σ 1083			7.32	8.13	6.5	48°	A5	07h25m35.3s	+20°29'42"	146107	Aqr	ζ Aqr	Σ 2909		4.34	4.49	1.9	172°	F3IV-V	22h28m50.0s	-00°01'12"
101250	Boo	ξ Boo	Σ 1888	AB	4.76	6.95	6.4	311°	G8V K5V	14h51m23.5s	+19°06'01"	61387	Lyn	Σ 1333			6.63	6.69	1.9	50°	A8V	09h18m25.9s	+35°21'51"
64834	CrB	ζ CrB	Σ 1965		4.96	5.91	6.3	306°	B7V B9V	15h39m22.7s	+36°38'09"	25939	Lyn	12 Lyn	Σ 948	AB	5.44	6	1.8	70°	A3V	06h46m14.1s	+59°26'30"
120426	Boo	Σ 1835		A-BC	5.03	6.78	6.2	194°	A0V F2V	14h23m22.7s	+08°26'48"	112861	Ori	33 Ori	Σ 729	AB	5.71	6.74	1.8	28°	B1.5V	05h31m14.5s	+03°17'32"
97645	Cnc	ζ Cnc	Σ 1196	AB-C	5.05	6.2	5.9	71°	G0V	08h12m12.7s	+17°38'51"	110291	Psc	α Psc	Σ 202	AB	4.1	5.17	1.8	269°	A0p A3m	02h02m02.8s	+02°45'50"
91222	Peg	Σ 3007		AB	6.74	9.78	5.8	91°	G2V dK6	23h22m48.8s	+20°33'32"	89940	Cyg	μ Cyg	Σ 2822	AB	4.75	6.18	1.8	311°	F6V G2V	21h44m08.7s	-28°44'32"
79294	Gem	δ Gem	Σ 1066		3.55	8.18	5.7	227°	A9III K3V	07h20m07.4s	+21°58'56"	132071	Ori	η Ori	DA 5	Aa-B	3.56	4.87	1.7	78°	B1V+B2e	05h24m28.6s	-02°23'49"
65129	CrB	OΣ 305		AB	6.44	10.17	5.6	263°	K2III	16h11m39.6s	+33°20'34"	62484	UMa	Σ 1523		AB	4.33	4.8	1.7	238°	F9V G9V	11h18m10.7s	+31°31'41"
101138	Boo	π Boo	Σ 1864	AB	4.88	5.79	5.5	111°	B9pMnHg	14h40m43.6s	+16°25'06"	57704	Aur	Σ 644		AB	6.96	6.78	1.6	222°	B2II+K3	05h10m18.8s	+37°18'07"
123107	Oph	70 Oph	Σ 2272	AB	4.22	6.17	5.3	136°	K0V K4V	18h05m27.3s	+02°29'53"	142050	Oph	τ Oph	Σ 2262	AB	5.27	5.86	1.6	285°	F4IV F5V	18h03m04.9s	-08°10'50"
80188	Cnc	φ 2 Cnc	Σ 1223		6.16	6.21	5	219°	A3V A6V	08h26m47.1s	+26°56'08"	61125	Cnc	57 Cnc	Σ 1291	AB	6.09	6.37	1.5	311°	G7III	08h54m14.8s	+30°34'45"
185198	Oph	36 Oph	SHJ 243	AB	5.12	5.12	4.9	143°	K0V K1V	17h15m20.7s	-26°36'19"	75673	Ari	ε Ari	Σ 333	AB	5.17	5.57	1.4	209°	A2Vs A2Vs	02h59m12.7s	+21°20'25"
77201	Tau	118 Tau	Σ 716	AB	5.83	6.68	4.7	208°	B8.5V	05h29m16.5s	+25°09'00"	121658	Oph	λ Oph	Σ 2055	AB	4.15	5.15	1.4	34°	A0V+A0V	16h30m54.8s	+01°59'02"
102680	Her	α Her	Σ 2140	Aa-B	3.48	5.4	4.7	105°	M5Ib-II	17h14m38.9s	+14°23'25"	210928	CrA	γ CrA	HJ 5084		4.53	6.42	1.3	62°	F8V F8V	19h06m25.2s	-37°03'50"
81298	Leo	γ Leo	Σ 1424	AB	2.37	3.64	4.7	127°	K0III	10h19m58.5s	+19°50'28"	113150	Ori	52 Ori	Σ 795		5.99	6.03	1.1	216°	A5V	05h48m00.2s	+06°27'15"
57548	Aur	ω Aur	Σ 616		5	8.21	4.7	3°	A1V	04h59m15.4s	+37°53'24"	112849	Ori	32 Ori	Σ 728		4.44	5.75	1	42°	B5V	05h30m47.1s	+05°56'53"
25963	Lyn	Σ 958		AB	6.28	6.34	4.6	257°	dF5 dF6	06h48m12.3s	+55°42'14"	74359	And	36 And	Σ 73	AB	6.12	6.54	1	319°	K1IV	00h54m58.2s	+23°37'42"
57216	Per	56 Per	OΣ 81	AB	5.84	9.25	4.4	17°	F4IV-V	04h24m37.5s	+33°57'34"	138917	Vir	γ Vir	Σ 1670	AB	3.48	3.53	0.5	82°	F0V F0V	12h41m39.3s	-01°26'57"