

**Table: Stars Brighter than Magnitude 4.5 North of -38° Dec. for 41° N latitude observing points with Bayer or Flamsteed Names - Sorted by Constellation and Bayer Name. N=638**

Const	Bayer	Flamsteed	v	RA2000	Dec2000	HR	HD	HIP	Proper Name
And	alf	21	2.07	000823.17	+290527.0	15	358	677	Alpheratz
And	bet	43	2.07	010943.80	+353715.0	337	6860	5447	Mirach; Mirak
And	del	31	3.27	003919.60	+305140.4	165	3627	3092	
And	eps	30	4.34	003833.50	+291844.5	163	3546	3031	
And	eta	38	4.4	005712.43	+232503.9	271	5516	4463	
And	gam01	57	2.1	020353.92	+421947.5	603	12533	9640	Almach
And	iot	17	4.29	233808.18	+431605.1	8965	222173	116631	
And	kap	19	4.15	234024.44	+442002.3	8976	222439	116805	
And	lam	16	3.81	233733.71	+462733.0	8961	222107	116584	
And	mu.	37	3.86	005645.10	+382957.3	269	5448	4436	
And	omi	1	3.62	230155.25	+421933.5	8762	217675	113726	
And	phi	42	4.26	010930.12	+471430.6	335	6811	5434	
And	pi.	29	4.34	003652.84	+334309.7	154	3369	2912	
And	ups	50	4.1	013647.98	+412423.0	458	9826	7513	
And	zet	34	4.08	004720.39	+241602.6	215	4502	3693	
And		51	3.59	013759.50	+483742.6	464	9927	7607	
Ant	alf		4.28	102709.16	-310404.1	4104	90610	51172	
Aql	alf	53	0.76	195046.68	+085202.6	7557	187642	97649	Altair
Aql	bet	60	3.71	195518.77	+062428.6	7602	188512	98036	Alshain; Alschairn
Aql	del	30	3.36	192529.75	+030652.5	7377	182640	95501	Deneb Okab(see HD176411,177724,188310)
Aql	eps	13	4.02	185937.39	+150406.5	7176	176411	93244	Deneb el Okab(see HD182640,177724); Deneb (see HD177724)
Aql	eta	55	3.87	195228.36	+010020.4	7570	187929	97804	
Aql	gam	50	2.72	194615.57	+103647.8	7525	186791	97278	Tarazed; Reda
Aql	iot	41	4.36	193643.28	-011711.6	7447	184930	96468	
Aql	lam	16	3.43	190614.95	-045256.4	7236	177756	93805	

Aql	mu.	38	4.45	193405.23	+072245.5	7429	184406	96229	
Aql	the	65	3.24	201118.26	-004917.3	7710	191692	99473	
Aql	zet	17	2.99	190524.61	+135149.4	7235	177724	93747	Deneb el Okab(see HD182640,176411); Deneb (see HD176411)
Aqr	alf	34	2.95	220547.03	-001911.4	8414	209750	109074	Sadalmelik; Sadlamulk; El Melik; Saad el Melik
Aqr	bet	22	2.9	213133.52	-053416.2	8232	204867	106278	Sadalsuud
Aqr	del	76	3.27	225439.04	-154914.7	8709	216627	113136	Skat
Aqr	eps	2	3.78	204740.53	-092944.5	7950	198001	102618	Albali
Aqr	eta	62	4.04	223521.33	-000702.5	8597	213998	111497	
Aqr	gam	48	3.86	222139.30	-012314.5	8518	212061	110395	Sadalachbia; Sadachbia
Aqr	iot	33	4.29	220626.21	-135210.3	8418	209819	109139	
Aqr	lam	73	3.73	225236.86	-073446.8	8698	216386	112961	
Aqr	nu.	13	4.5	210935.59	-112218.0	8093	201381	104459	
Aqr	ome02	105	4.49	234243.28	-143241.1	8988	222661	116971	
Aqr	phi	90	4.22	231419.33	-060254.7	8834	219215	114724	
Aqr	psi01	91	4.24	231553.28	-090515.7	8841	219449	114855	
Aqr	psi02	93	4.41	231754.20	-091057.0	8858	219688	115033	
Aqr	tau02	71	4.05	224935.51	-133533.1	8679	216032	112716	
Aqr	the	43	4.17	221649.97	-074659.7	8499	211391	110003	Ancha
Aqr	zet01	55	3.65	222849.80	-000112.2	8558	213051	110960	
Aqr	zet02	55	4.42	222850.1	-000112.	8559	213052		
Ari	alf	13	2.01	020710.29	+232746.0	617	12929	9884	Hamal
Ari	bet	6	2.64	015438.35	+204829.9	553	11636	8903	Sheratan
Ari	del	57	4.35	031137.67	+194336.1	951	19787	14838	Botein
Ari	gam01	5	3.88	015331.77	+191738.7	546	11502	8832	Mesarthim
Aur	alf	13	0.08	051641.30	+455956.5	1708	34029	24608	Capella
Aur	bet	34	1.9	055931.77	+445650.8	2088	40183	28360	Menkalinan
Aur	del	33	3.72	055931.55	+541705.9	2077	40035	28358	
Aur	ens	7	3.03	050158.13	+434923.9	1605	31964	23416	Al Anz' Almaaz

Aur	eta	10	3.18	050630.87	+411404.7	1641	32630	23767	Hoedus II (one of the kids, with HD32068)
Aur	iot	3	2.69	045659.62	+330958.1	1577	31398	23015	Hassaleh
Aur	kap	44	4.32	061522.74	+292955.4	2219	43039	29696	
Aur	nu.	32	3.97	055129.39	+390854.5	2012	39003	27673	
Aur	pi.	35	4.3	055956.10	+455612.3	2091	40239	28404	
Aur	the	37	2.65	055943.24	+371246.0	2095	40312	28380	
Aur	zet	8	3.69	050228.68	+410433.2	1612	32068	23453	Hoedus I (with HD32630, one of the "kids")
Boo	alf	16	- 0.05	141540.35	+191114.2	5340	124897	69673	Arcturus
Boo	bet	42	3.49	150156.79	+402326.3	5602	133208	73555	Nekkar; Merez; Meres; Merets
Boo	del	49	3.46	151530.10	+331854.4	5681	135722	74666	Printseps
Boo	eps	36	2.35	144459.25	+270427.0	5505	129988	72105	
Boo	eps	36	2.7	144459.2	+270427.	5506	129989		Izar; Mirac(also HD6860); Mirak(also HD6860,95418)
Boo	eta	8	2.68	135441.12	+182354.9	5235	121370	67927	Mufrid; Muphrid
Boo	gam	27	3.04	143204.76	+381828.4	5435	127762	71075	Seginus; Segin; Haris
Boo	lam	19	4.18	141623.18	+460516.5	5351	125162	69732	
Boo	mu.01	51	4.31	152429.54	+372237.1	5733	137391	75411	Alkalurops; Inkalunis; Icalurus; Clava; Venabulum
Boo	pi.01	29	4.49	144043.56	+162505.9	5475	129174	71762	
Boo	rho	25	3.57	143149.86	+302216.1	5429	127665	71053	
Boo	sig	28	4.47	143440.69	+294441.3	5447	128167	71284	
Boo	tau	4	4.5	134716.04	+172724.4	5185	120136	67275	
Boo	the	23	4.04	142512.02	+515106.2	5404	126660	70497	Asellus Primus
Boo	ups	5	4.05	134928.70	+154752.1	5200	120477	67459	
Boo	zet	30	3.78	144108.92	+134342.0	5477	129246	71795	
Boo	zet	30	4.43	144108.9	+134342.	5478	129247	-	
Cam	alf	9	4.26	045403.01	+662033.6	1542	30614	22783	
Cam	bet	10	4.03	050325.10	+602632.2	1603	31910	23522	

Cap	alf01	5	4.3	201738.86	-123029.6	7747	192876	100027	Prima Giedi; Algiedi Prima; Algiedi(with HD192947)
Cap	alf02	6	3.58	201803.22	-123241.5	7754	192947	100064	Gredi; Algiedi; Secunda Giedi; Algiedi Secunda
Cap	bet	9	3.05	202100.65	-144653.0	7776	193495	100345	Dabih; Dabikh; Dikhabda
Cap	del	49	2.85	214702.29	-160735.6	8322	207098	107556	Deneb Algiedi; Scheddi
Cap	gam	40	3.69	214005.34	-163944.1	8278	206088	106985	Nashira
Cap	iot	32	4.28	212214.78	-165004.4	8167	203387	105515	
Cap	ome	18	4.12	205149.30	-265508.9	7980	198542	102978	
Cap	psi	16	4.13	204605.77	-251613.9	7936	197692	102485	
Cap	the	23	4.08	210556.78	-171357.8	8075	200761	104139	
Cap	zet	34	3.77	212640.03	-222441.0	8204	204075	105881	
Cas	alf	18	2.24	004030.39	+563214.7	168	3712	3179	Schedar
Cas	bet	11	2.28	000910.09	+590900.8	21	432	746	Caph
Cas	del	37	2.66	012548.60	+601407.5	403	8538	6686	Ruchbah(also HD11415)
Cas	eps	45	3.35	015423.68	+634012.5	542	11415	8886	Segin
Cas	eta	24	3.46	004905.10	+574859.6	219	4614	3821	Achird
Cas	gam	27	2.15	005642.50	+604300.3	264	5394	4427	
Cas	iot		4.46	022903.99	+672408.6	707	15089	11569	
Cas	kap	15	4.17	003259.99	+625554.4	130	2905	2599	
Cas	omi	22	4.48	004443.50	+481703.8	193	4180	3504	
Cas	the	33	4.34	011105.93	+550859.8	343	6961	5542	Marfak (with HD6582)
Cas	zet	17	3.69	003658.27	+535349.0	153	3360	2920	
Cas		50	3.95	020326.19	+722516.5	580	12216	9598	
Cen	iot		2.75	132036.07	-364243.5	5028	115892	65109	
Cen	psi		4.05	142033.48	-375307.0	5367	125473	70090	
Cen	the	5	2.06	140641.32	-362207.3	5288	123139	68933	Menkent
Cep	alf	5	2.45	211834.58	+623507.6	8162	203280	105199	Alderamin
Cep	bet	8	3.23	212839.58	+703338.5	8238	205021	106032	Alfirk; Alphirk
Cep	del	27	4.07	222910.25	+582454.7	8571	213306	110991	

Cep	eps	23	4.18	221501.68	+570236.5	8494	211336	109857	
Cep	eta	3	3.41	204517.27	+615012.5	7957	198149	102422	
Cep	gam	35	3.21	233920.98	+773755.1	8974	222404	116727	Alrai
Cep	iot	32	3.5	224940.91	+661202.6	8694	216228	112724	
Cep	kap	1	4.38	200853.32	+774240.9	7750	192907	99255	
Cep	ksi	17	4.26	220347.16	+643739.9	8417	209790	108917	Alkurhah; Al Kirdah; Kurhah
Cep	mu.		4.23	214330.45	+584648.2	8316	206936	107259	Erakis; Ehrakis
Cep	nu.	10	4.25	214526.93	+610714.9	8334	207260	107418	
Cep	pi.	33	4.41	230753.84	+752315.3	8819	218658	114222	
Cep	the	2	4.21	202934.83	+625938.9	7850	195725	101093	
Cep	zet	21	3.39	221051.26	+581204.5	8465	210745	109492	
Cet	alf	92	2.54	030216.78	+040523.7	911	18884	14135	Menkar(also HD18604)
Cet	bet	16	2.04	004335.23	-175912.1	188	4128	3419	Diphda
Cet	del	82	4.08	023928.95	+001942.7	779	16582	12387	
Cet	eta	31	3.46	010835.26	-101054.9	334	6805	5364	Deneb; Deneb Algenubi
Cet	gam	86	3.47	024318.12	+031410.2	804	16970	12706	Kaffaljdhma
Cet	iot	8	3.56	001925.68	-084925.8	74	1522	1562	Deneb Kaitos Shemali; Deneb Kaitos Al Shamaliyy
Cet	ksi01	65	4.36	021300.01	+085048.3	649	13611	10324	
Cet	ksi02	73	4.3	022809.52	+082736.3	718	15318	11484	
Cet	mu.	87	4.27	024456.37	+100651.2	813	17094	12828	
Cet	pi.	89	4.24	024407.35	-135131.2	811	17081	12770	
Cet	tau	52	3.49	014405.13	-155622.4	509	10700	8102	
Cet	the	45	3.6	012401.45	-081057.9	402	8512	6537	
Cet	ups	59	3.99	020000.22	-210440.0	585	12274	9347	
Cet	zet	55	3.74	015127.61	-102005.8	539	11353	8645	Baten Kaitos
Cet		7	4.44	001438.43	-185557.7	48	1038	1170	
CMa	alf	9	- 1.44	064509.25	-164247.3	2491	48915	32349	Sirius
CMa	bet	2	1.98	062241.99	-175721.3	2294	44743	30324	Mirzam

CMa	del	25	1.83	070823.49	-262335.5	2693	54605	34444	Wezen; Wesen; Alwazn
CMa	eps	21	1.5	065837.55	-285819.5	2618	52089	33579	Adhara
CMa	eta	31	2.45	072405.71	-291811.2	2827	58350	35904	Aludra
CMa	gam	23	4.11	070345.49	-153759.7	2657	53244	34045	Muliphein
CMa	iot	20	4.36	065608.23	-170315.3	2596	51309	33347	
CMa	kap	13	3.5	064950.47	-323030.6	2538	50013	32759	
CMa	ksi01	4	4.34	063151.37	-232506.4	2387	46328	31125	
CMa	lam		4.47	062810.22	-323448.5	2361	45813	30788	
CMa	nu.02	7	3.95	063641.00	-191520.6	2429	47205	31592	
CMa	nu.03	8	4.42	063753.43	-181414.8	2443	47442	31700	
CMa	ome	28	4.01	071448.66	-264621.7	2749	56139	35037	
CMa	omi01	16	3.89	065407.95	-241103.2	2580	50877	33152	
CMa	omi02	24	3.02	070301.47	-234959.9	2653	53138	33977	
CMa	sig	22	3.49	070143.15	-275605.4	2646	52877	33856	
CMa	tau	30	4.37	071842.49	-245715.8	2782	57061	35415	
CMa	the	14	4.08	065411.48	-120218.9	2574	50778	33160	
CMa	zet	1	3.02	062018.79	-300348.2	2282	44402	30122	Furud; Phurud
CMa		27	4.42	071415.22	-262109.1	2745	56014	34981	
CMi	alf	10	0.4	073918.54	+051339.0	2943	61421	37279	Procyon
CMi	bet	3	2.89	072709.07	+081721.9	2845	58715	36188	Gomeisa
CMi	gam	4	4.33	072809.83	+085531.8	2854	58972	36284	
Cnc	alf	65	4.26	085829.20	+115128.0	3572	76756	44066	Sartan; Acubens
Cnc	bet	17	3.53	081630.95	+091108.4	3249	69267	40526	Altarf; Al Tarf ; Tarf
Cnc	del	47	3.94	084441.11	+180917.5	3461	74442	42911	Asellus Australis
Cnc	iot	48	4.03	084641.83	+284536.0	3475	74739	43103	
Col	alf		2.65	053938.94	-340426.6	1956	37795	26634	Phakt
Col	bet		3.12	055057.55	-354609.5	2040	39425	27628	Wazn
Col	del		3.85	062206.85	-332610.6	2296	44762	30277	
Col	eps		3.86	053112.74	-352813.6	1862	36597	25859	

Col	gam		4.36	055732.21	-351659.9	2106	40494	28199	
Col	kap		4.37	061633.14	-350826.6	2256	43785	29807	
Com	alf	42	4.32	130959.55	+173144.8	4968	114378	64241	Diadem
Com	bet	43	4.23	131152.92	+275233.7	4983	114710	64394	
Com	gam	15	4.35	122656.33	+281607.0	4737	108381	60742	
CrA	alf		4.11	190928.28	-375415.3	7254	178253	94114	Alfecca Meridiana
CrA	gam		4.23	190625.04	-370345.9	7226	177474	93825	
CrB	alf	5	2.22	153441.19	+264253.7	5793	139006	76267	Alphecca; Alphekka; Gemma; Gnosia
CrB	bet	3	3.66	152749.85	+290619.8	5747	137909	75695	Nusakan
CrB	eps	13	4.14	155735.30	+265240.9	5947	143107	78159	
CrB	gam	8	3.81	154244.64	+261743.9	5849	140436	76952	
CrB	the	4	4.14	153255.80	+312133.0	5778	138749	76127	
Crt	alf	7	4.08	105946.75	-181756.8	4287	95272	53740	Alkes
Crt	bet	11	4.46	111139.49	-224932.2	4343	97277	54682	
Crt	del	12	3.56	111920.52	-144644.6	4382	98430	55282	Labr
Crt	gam	15	4.06	112452.98	-174102.5	4405	99211	55705	
Crv	alf	1	4.02	120824.75	-244343.6	4623	105452	59199	Alchita; Alchiba
Crv	bet	9	2.65	123423.23	-232347.8	4786	109379	61359	Kraz
Crv	del	7	2.94	122951.98	-163054.3	4757	108767	60965	Algorab
Crv	eps	2	3.02	121007.53	-223711.3	4630	105707	59316	Minkar
Crv	eta	8	4.3	123204.48	-161145.1	4775	109085	61174	
Crv	gam	4	2.58	121548.47	-173231.1	4662	106625	59803	Gienah(also HD197989)
CVn	alf02	12	2.89	125601.84	+381905.7	4915	112413	63125	Cor Caroli
CVn	bet	8	4.24	123345.09	+412124.4	4785	109358	61317	Chara; Asterion; Venatici
Cyg	alf	50	1.25	204125.91	+451649.2	7924	197345	102098	Deneb
Cyg	bet01	6	3.05	193043.29	+275734.9	7417	183912	95947	Albireo
Cyg	del	18	2.86	194458.44	+450750.5	7528	186882	97165	
Cyg	eps	53	2.48	204612.43	+335810.0	7949	197989	102488	Gienah(see HD106625); Gienakh; Gienah Cygni

Cyg	eta	21	3.89	195618.40	+350500.6	7615	188947	98110	
Cyg	gam	37	2.23	202213.70	+401524.1	7796	194093	100453	Sadir; Sadr
Cyg	iot	10	3.76	192942.34	+514346.1	7420	184006	95853	
Cyg	kap	1	3.8	191706.11	+532205.4	7328	181276	94779	
Cyg	ksi	62	3.72	210455.86	+435540.3	8079	200905	104060	
Cyg	mu.01	78	4.49	214408.40	+284435.6	8309	206826	107310	
Cyg	nu.	58	3.94	205710.41	+411001.9	8028	199629	103413	
Cyg	omi01	31	3.8	201337.90	+464428.8	7735	192577	99675	
Cyg	omi02	32	3.96	201528.32	+474251.1	7751	192909	99848	
Cyg	pi.02	81	4.23	214647.61	+491834.5	8335	207330	107533	
Cyg	rho	73	3.98	213358.87	+453531.4	8252	205435	106481	
Cyg	sig	67	4.22	211724.95	+392340.9	8143	202850	105102	
Cyg	tau	65	3.74	211447.35	+380239.6	8130	202444	104887	
Cyg	the	13	4.49	193626.54	+501313.7	7469	185395	96441	
Cyg	ups	66	4.41	211755.07	+345348.8	8146	202904	105138	
Cyg	zet	64	3.21	211256.18	+301337.5	8115	202109	104732	
Cyg		33	4.28	201323.80	+563403.1	7740	192696	99655	
Cyg		39	4.43	202351.60	+321124.7	7806	194317	100587	
Cyg		41	4.01	202923.73	+302206.8	7834	195295	101076	
Cyg		52	4.22	204539.76	+304310.8	7942	197912	102453	
Del	alf	9	3.77	203938.25	+155443.4	7906	196867	101958	Svalocin
Del	bet	6	3.64	203732.87	+143542.7	7882	196524	101769	Rotanev
Del	del	11	4.43	204327.55	+150428.9	7928	197461	102281	
Del	eps	2	4.03	203312.76	+111812.0	7852	195810	101421	Deneb Dulfim; Deneb el Delphinus
Del	gam02	12	4.27	204639.52	+160729.2	7948	197964	102532	
Dra	alf	11	3.67	140423.43	+642232.9	5291	123299	68756	Thuban
Dra	bet	23	2.79	173025.98	+521804.9	6536	159181	85670	Alwaid; Rastaban(also HD164058)
Dra	chi	44	3.55	182102.34	+724401.3	6927	170153	89937	

Dra	del	57	3.07	191233.15	+673940.7	7310	180711	94376	Altais; Aldib
Dra	eps	63	3.84	194810.21	+701604.2	7582	188119	97433	Tyl
Dra	eta	14	2.73	162359.51	+613050.7	6132	148387	80331	
Dra	gam	33	2.24	175636.38	+512920.2	6705	164058	87833	Etamin; Etanin; Ettanin; Rasaben
Dra	iot	12	3.29	152455.78	+585757.7	5744	137759	75458	Ed Asich; Edasich; Eldsich; Al Dhiba; Al Dhihi
Dra	kap	5	3.85	123329.04	+694717.6	4787	109387	61281	
Dra	ksi	32	3.73	175331.63	+565220.8	6688	163588	87585	Grumium; Genam; Nodus I (also HD155763)
Dra	lam	1	3.82	113124.29	+691952.0	4434	100029	56211	Gianfar; Giansar; Gaiusar; Giauza; Juza
Dra	phi	43	4.22	182045.44	+712015.8	6920	170000	89908	
Dra	tau	60	4.45	191533.29	+732118.8	7352	181984	94648	
Dra	the	13	4.01	160153.70	+583352.0	5986	144284	78527	
Dra	zet	22	3.17	170847.23	+654252.7	6396	155763	83895	Aldhibah; Eldsib; Nod; Nodus
Equ	alf	8	3.92	211549.40	+051453.1	8131	202447	104987	Kitalpha; Kitel Phard; Kitalphar
Equ	del	7	4.47	211428.79	+100027.8	8123	202275	104858	
Eri	bet	67	2.78	050751.03	-050510.5	1666	33111	23875	Cursa
Eri	del	23	3.52	034314.96	-094554.7	1136	23249	17378	Rana(see HD4128)
Eri	eps	18	3.72	033256.42	-092729.9	1084	22049	16537	
Eri	eta	3	3.89	025625.60	-085351.4	874	18322	13701	Azha
Eri	gam	34	2.97	035801.73	-133029.7	1231	25025	18543	Zaurak
Eri	lam	69	4.25	050908.78	-084514.7	1679	33328	23972	
Eri	mu.	57	4.01	044530.14	-031516.6	1520	30211	22109	
Eri	nu.	48	3.93	043619.14	-032108.8	1463	29248	21444	
Eri	ome	61	4.36	045253.68	-052709.9	1560	31109	22701	
Eri	omi01	38	4.04	041151.93	-065016.0	1298	26574	19587	Beid
Eri	omi02	40	4.43	041517.64	-073840.4	1325	26965	19849	Keid; Kied
Eri	pi.	26	4.43	034608.50	-120606.2	1162	23614	17593	

Eri	tau03	11	4.08	030223.59	-233727.6	919	18978	14146	
Eri	tau04	16	3.7	031930.97	-214528.6	1003	20720	15474	
Eri	tau05	19	4.26	033347.25	-213758.1	1088	22203	16611	
Eri	tau06	27	4.22	034650.99	-231454.4	1173	23754	17651	
Eri	ups01	50	4.49	043330.63	-294557.0	1453	29085	21248	
Eri	ups02	52	3.81	043533.07	-303344.3	1464	29291	21393	Theemim; Beemin
Eri	ups04	41	3.55	041753.62	-334754.0	1347	27376	20042	
Eri		54	4.32	044026.49	-194016.5	1496	29755	21763	
For	alf		3.8	031204.28	-285920.8	963	20010	14879	
For	bet		4.45	024905.36	-322422.6	841	17652	13147	
Gem	alf	66	2.88	073436.0	+315319.	2890	60178		Castor
Gem	alf	66	1.98	073436.0	+315318.	2891	60179	36850	
Gem	bet	78	1.16	074519.36	+280134.7	2990	62509	37826	Pollux
Gem	del	55	3.5	072007.39	+215856.4	2777	56986	35550	Wasat
Gem	eps	27	3.06	064355.93	+250752.2	2473	48329	32246	Mebсутa
Gem	eta	7	3.31	061452.70	+223024.6	2216	42995	29655	Tejat Prior; Praepes
Gem	gam	24	1.93	063742.70	+162357.9	2421	47105	31681	Alhena
Gem	iot	60	3.78	072543.68	+274753.8	2821	58207	36046	Propus(see HD41116,42995)
Gem	kap	77	3.57	074426.87	+242353.3	2985	62345	37740	
Gem	ksi	31	3.35	064517.43	+125345.8	2484	48737	32362	Alzirr
Gem	lam	54	3.58	071805.61	+163225.7	2763	56537	35350	
Gem	mu.	13	2.87	062257.59	+223049.9	2286	44478	30343	Tejat Posterior
Gem	nu.	18	4.13	062857.79	+201243.8	2343	45542	30883	
Gem	rho	62	4.16	072906.61	+314702.7	2852	58946	36366	
Gem	sig	75	4.23	074318.69	+285302.7	2973	62044	37629	
Gem	tau	46	4.41	071108.39	+301443.0	2697	54719	34693	
Gem	the	34	3.6	065247.34	+335740.9	2540	50019	33018	
Gem	ups	69	4.06	073555.37	+265345.6	2905	60522	36962	

Gem		1	4.16	060407.22	+231549.1	2134	41116	28734	Propus(also HD42995,58207)
Gem		30	4.49	064359.29	+131341.3	2478	48433	32249	
Gru	gam		3	215355.65	-372153.4	8353	207971	108085	Al'danab
Her	alf01	64	2.78	171438.86	+142324.9	6406	156014	84345	Rasalgethi
Her	bet	27	2.78	163013.26	+212922.7	6148	148856	80816	Kornephoros
Her	del	65	3.12	171501.92	+245022.5	6410	156164	84379	Sarin
Her	eps	58	3.92	170017.41	+305534.8	6324	153808	83207	
Her	eta	44	3.48	164253.74	+385520.9	6220	150997	81833	
Her	gam	20	3.74	162155.24	+190910.9	6095	147547	80170	
Her	iot	85	3.82	173927.89	+460022.8	6588	160762	86414	
Her	ksi	92	3.7	175745.83	+291452.5	6703	163993	87933	
Her	lam	76	4.41	173044.30	+260638.2	6526	158899	85693	Maasym; Masym; Misam (also HD13994,19476)
Her	mu.	86	3.42	174627.72	+274321.0	6623	161797	86974	
Her	nu.	94	4.41	175830.15	+301121.4	6707	164136	87998	
Her	omi	103	3.84	180732.55	+284544.9	6779	166014	88794	
Her	phi	11	4.23	160846.20	+445605.3	6023	145389	79101	
Her	pi.	67	3.16	171502.85	+364833.0	6418	156283	84380	
Her	sig	35	4.2	163406.19	+422612.8	6168	149630	81126	
Her	tau	22	3.91	161944.45	+461847.8	6092	147394	79992	
Her	the	91	3.86	175615.18	+371501.9	6695	163770	87808	
Her	zet	40	2.81	164117.48	+313606.8	6212	150680	81693	
Her		102	4.37	180845.49	+204852.5	6787	166182	88886	
Her		109	3.85	182341.77	+214613.2	6895	169414	90139	
Her		110	4.19	184539.73	+203249.6	7061	173667	92043	
Her		111	4.34	184701.22	+181052.4	7069	173880	92161	
Her		113	4.5	185446.1	+223913.	0	175493		
Hya	alf	30	1.99	092735.25	-083931.3	3748	81797	46390	Alphard; Alfard
Hya	bet		4.29	115254.56	-335429.3	4552	103192	57936	

Hya	del	4	4.14	083739.41	+054213.7	3410	73262	42313	
Hya	eps	11	3.38	084646.65	+062508.1	3482	74874	43109	
Hya	eta	7	4.3	084313.49	+032355.2	3454	74280	42799	
Hya	gam	46	2.99	131855.25	-231017.1	5020	115659	64962	
Hya	iot	35	3.9	093951.33	-010833.6	3845	83618	47431	
Hya	ksi		3.54	113300.26	-315127.1	4450	100407	56343	
Hya	lam	41	3.61	101035.40	-122113.8	3994	88284	49841	
Hya	mu.	42	3.83	102605.51	-165009.9	4094	90432	51069	
Hya	nu.		3.11	104937.43	-161138.9	4232	93813	52943	
Hya	pi.	49	3.25	140622.27	-264055.3	5287	123123	68895	
Hya	rho	13	4.35	084825.98	+055016.4	3492	75137	43234	
Hya	sig	5	4.45	083845.45	+032029.3	3418	73471	42402	Al Minliar al Shuja; Minchir
Hya	the	22	3.89	091421.79	+021854.1	3665	79469	45336	
Hya	ups01	39	4.11	095128.68	-145047.6	3903	85444	48356	
Hya	zet	16	3.11	085523.68	+055643.9	3547	76294	43813	
Lac	alf	7	3.76	223117.38	+501656.8	8585	213558	111169	
Lac	bet	3	4.42	222333.64	+521346.2	8538	212496	110538	
Lac		1	4.14	221558.17	+374455.4	8498	211388	109937	
Lac		5	4.34	222931.82	+474224.8	8572	213310	111022	
Lac		11	4.5	224030.78	+441634.6	8632	214868	111944	
Leo	alf	32	1.36	100822.46	+115801.9	3982	87901	49669	Regulus
Leo	bet	94	2.14	114903.88	+143420.4	4534	102647	57632	Denebola
Leo	del	68	2.56	111406.41	+203126.5	4357	97603	54872	Zozma; Zosca; Zozca; Duhr; Dhur; Zubra
Leo	eps	17	2.97	094551.10	+234627.4	3873	84441	47908	Albenubi; Ras Elased Australis
Leo	eta	30	3.48	100719.95	+164545.6	3975	87737	49583	Al'dzhabkhakh
Leo	gam01	41	2.01	101958.16	+195030.7	4057	89484	50583	Algieba
Leo	gam02	41	3.8	101958.6	+195026.	4058	89485		
Leo	iot	78	4	112355.37	+103146.9	4399	99028	55642	

Leo	kap	1	4.47	092439.28	+261056.8	3731	81146	46146	Al Minliar al Asad
Leo	lam	4	4.32	093143.24	+225805.0	3773	82308	46750	Alterf
Leo	mu.	24	3.88	095245.96	+260025.5	3905	85503	48455	Rasalas; Ras Elased Borealis; Alshemali
Leo	omi	14	3.52	094109.12	+095332.6	3852	83808	47508	Subra
Leo	omi	14	3.7	094113.4	+095435.	0	83809		
Leo	phi	74	4.45	111639.76	-033905.5	4368	98058	55084	
Leo	rho	47	3.84	103248.68	+091823.7	4133	91316	51624	
Leo	sig	77	4.05	112108.25	+060145.7	4386	98664	55434	
Leo	the	70	3.33	111414.44	+152547.1	4359	97633	54879	Chertan; Coxa; Chort
Leo	ups	91	4.3	113656.93	-004925.9	4471	100920	56647	
Leo	zet	36	3.43	101641.40	+232502.4	4031	89025	50335	Aldhafara; Aldhafera
Leo		54	4.3	105536.85	+244459.1	4259	94601	53417	
Leo		93	4.5	114759.23	+201308.2	4527	102509	57565	
Lep	alf	11	2.58	053243.81	-174920.3	1865	36673	25985	Arneb
Lep	bet	9	2.81	052814.73	-204533.2	1829	36079	25606	Nihal
Lep	del	15	3.76	055119.15	-205239.0	2035	39364	27654	
Lep	eps	2	3.19	050527.65	-222215.1	1654	32887	23685	
Lep	eta	16	3.71	055624.32	-141004.9	2085	40136	28103	
Lep	gam	13	3.59	054427.97	-222651.0	1983	38393	27072	
Lep	iot	3	4.45	051217.89	-115208.9	1696	33802	24244	
Lep	kap	4	4.36	051313.89	-125628.6	1705	33949	24327	
Lep	lam	6	4.29	051934.53	-131036.4	1756	34816	24845	
Lep	mu.	5	3.29	051255.87	-161219.5	1702	33904	24305	
Lep	zet	14	3.55	054657.35	-144919.0	1998	38678	27288	
Lib	alf02	9	2.75	145052.78	-160229.8	5531	130841	72622	Zubenelgenubi
Lib	bet	27	2.61	151700.47	-092258.3	5685	135742	74785	Zubeneschamali
Lib	gam	38	3.91	153531.54	-144722.4	5787	138905	76333	Zuben Elakrab; Zuben Hakraki; Zuben el Hakrabi
Lib	sig	20	3.25	150404.26	-251654.7	5603	133216	73714	Brachium; Cornu; Zuben el Genubi; Zuban al Akrah

Lib	tau	40	3.66	153839.38	-294639.7	5812	139365	76600	
Lib	the	46	4.13	155349.48	-164346.6	5908	142198	77853	
Lib	ups	39	3.6	153701.46	-280806.3	5794	139063	76470	
Lib		16	4.47	145711.06	-042045.9	5570	132052	73165	
LMi	bet	31	4.2	102753.09	+364226.9	4100	90537	51233	
LMi		21	4.49	100725.73	+351440.9	3974	87696	49593	
LMi		46	3.79	105318.64	+341256.0	4247	94264	53229	Praecipua
Lup	chi	5	3.97	155057.54	-333737.6	5883	141556	77634	
Lup	phi01		3.57	152148.44	-361540.2	5705	136422	75177	
Lup	the		4.22	160635.56	-364808.0	5987	144294	78918	
Lyn	alf	40	3.14	092103.46	+342333.1	3705	80493	45860	
Lyn		2	4.44	061937.39	+590039.3	2238	43378	30060	
Lyn		15	4.35	065716.60	+582523.0	2560	50522	33449	
Lyn		31	4.25	082250.13	+431118.1	3275	70272	41075	Alsciaukat; Mabsuthat
Lyn		38	3.82	091850.67	+364810.4	3690	80081	45688	
Lyr	alf	3	0.03	183656.19	+384658.8	7001	172167	91262	Vega
Lyr	bet	10	3.52	185004.79	+332145.6	7106	174638	92420	Sheliak; Shelyak; Shiliak
Lyr	del02	12	4.22	185430.29	+365355.0	7139	175588	92791	
Lyr	eta	20	4.43	191345.49	+390845.5	7298	180163	94481	Aladfar
Lyr	gam	14	3.25	185856.62	+324122.4	7178	176437	93194	Sulafat; Sulaphat
Lyr	kap	1	4.33	181951.72	+360352.0	6872	168775	89826	
Lyr	the	21	4.35	191622.10	+380801.4	7314	180809	94713	
Lyr	zet01	6	4.34	184446.34	+373618.2	7056	173648	91971	
Mon	alf	26	3.94	074114.88	-093303.9	2970	61935	37447	
Mon	bet	11	3.76	062849.07	-070159.0	2356	45725	30867	
Mon	del	22	4.15	071151.86	-002934.0	2714	55185	34769	
Mon	eps	8	4.39	062346.10	+043534.2	2298	44769	30419	
Mon	gam	5	3.99	061451.34	-061629.0	2227	43232	29651	
Mon	zet	29	4.36	080835.66	-025901.6	3188	67594	39863	

Mon		13	4.47	063254.23	+071958.7	2385	46300	31216	
Mon		18	4.48	064751.66	+022443.9	2506	49293	32578	
Oph	alf	55	2.08	173456.00	+123338.1	6556	159561	86032	Rasalhague
Oph	bet	60	2.76	174328.38	+043400.9	6603	161096	86742	Cebalrai
Oph	chi	7	4.22	162701.44	-182722.3	6118	148184	80569	
Oph	del	1	2.73	161420.77	-034138.3	6056	146051	79593	Yed Prior
Oph	eps	2	3.23	161819.24	-044133.4	6075	146791	79882	Yed Posterior
Oph	eta	35	2.43	171022.66	-154330.5	6378	155125	84012	Sabik
Oph	gam	62	3.75	174753.57	+024226.9	6629	161868	87108	
Oph	iot	25	4.39	165400.50	+100955.6	6281	152614	82673	
Oph	kap	27	3.19	165740.27	+092230.2	6299	153210	83000	
Oph	ksi	40	4.39	172100.21	-210644.8	6445	156897	84893	
Oph	lam	10	3.82	163054.84	+015902.8	6149	148857	80883	Marfic; Marfik; Marsic
Oph	nu.	64	3.32	175901.60	-094624.1	6698	163917	88048	Sinistra
Oph	ome	9	4.45	163208.19	-212759.3	6153	148898	80975	
Oph	phi	8	4.29	163108.39	-163645.5	6147	148786	80894	
Oph	psi	4	4.48	162406.20	-200214.0	6104	147700	80343	
Oph	sig	49	4.34	172630.88	+040825.2	6498	157999	85355	
Oph	the	42	3.27	172200.58	-245958.2	6453	157056	84970	
Oph	zet	13	2.54	163709.53	-103401.7	6175	149757	81377	Khan
Oph		67	3.93	180038.72	+025553.7	6714	164353	88192	
Oph		68	4.42	180145.19	+011818.4	6723	164577	88290	
Oph		72	3.71	180721.02	+093349.2	6771	165777	88771	
Ori	alf	58	0.45	055510.29	+072425.3	2061	39801	27989	Betelgeuse
Ori	bet	19	0.18	051432.27	-081205.9	1713	34085	24436	Rigel
Ori	chi01	54	4.39	055423.08	+201635.1	2047	39587	27913	
Ori	del	34	2.25	053200.40	-001756.7	1852	36486	25930	Mintaka
Ori	eps	46	1.69	053612.81	-011206.9	1903	37128	26311	Alnilam
Ori	eta	28	3.35	052428.62	-022349.7	1788	35411	25281	

Ori	gam	24	1.64	052507.87	+062059.0	1790	35468	25336	Bellatrix
Ori	iot	44	2.75	053525.98	-055435.6	1899	37043	26241	Hatysa
Ori	kap	53	2.07	054745.39	-094010.6	2004	38771	27366	Saiph
Ori	ksi	70	4.45	061156.40	+141231.7	2199	42560	29426	
Ori	lam	39	3.39	053508.28	+095603.0	1879	36861	26207	Heka
Ori	mu.	61	4.12	060222.99	+093850.5	2124	40932	28614	
Ori	nu.	67	4.42	060734.32	+144606.7	2159	41753	29038	
Ori	ome	47	4.5	053911.15	+040717.3	1934	37490	26594	
Ori	omi02	9	4.06	045622.32	+133052.5	1580	31421	22957	
Ori	phi01	37	4.39	053449.24	+092922.5	1876	36822	26176	
Ori	phi02	40	4.09	053654.33	+091729.1	1907	37160	26366	
Ori	pi.02	2	4.35	045036.72	+085400.9	1544	30739	22509	
Ori	pi.03	1	3.19	044950.14	+065740.5	1543	30652	22449	Tabit (see HD36512)
Ori	pi.04	3	3.68	045112.37	+053618.4	1552	30836	22549	
Ori	pi.05	8	3.71	045415.10	+022626.4	1567	31237	22797	
Ori	pi.06	10	4.47	045832.90	+014250.5	1601	31767	23123	
Ori	rho	17	4.46	051317.48	+025140.5	1698	33856	24331	
Ori	sig	48	3.77	053844.77	-023600.2	1931	37468	26549	
Ori	tau	20	3.59	051736.40	-065039.8	1735	34503	24674	
Ori	zet	50	1.74	054045.52	-015633.3	1948	37742	26727	Alnitak
Ori	zet	50	4.21	054045.6	-015634.	1949	37743		
Peg	alf	54	2.49	230445.62	+151219.3	8781	218045	113963	Merkab
Peg	bet	53	2.44	230346.33	+280456.8	8775	217906	113881	Scheat
Peg	eps	8	2.38	214411.14	+095230.0	8308	206778	107315	Enif
Peg	eta	44	2.93	224300.13	+301316.7	8650	215182	112158	Matar
Peg	gam	88	2.83	001314.15	+151101.0	39	886	1067	Algenib
Peg	iot	24	3.77	220700.47	+252042.2	8430	210027	109176	
Peg	kap	10	4.14	214438.70	+253842.0	8315	206901	107354	
Peg	ksi	46	4.2	224641.44	+121026.7	8665	215648	112447	

Peg	lam	47	3.97	224631.84	+233356.4	8667	215665	112440	
Peg	mu.	48	3.51	225000.10	+243606.1	8684	216131	112748	Sadalbari
Peg	pi.	29	4.28	220959.25	+331041.8	8454	210459	109410	
Peg	the	26	3.52	221011.82	+061152.0	8450	210418	109427	Biham; Baham; Bakham
Peg	ups	68	4.42	232522.66	+232414.4	8905	220657	115623	
Peg	zet	42	3.41	224127.67	+104953.0	8634	214923	112029	Homam
Peg		1	4.08	212205.13	+194815.7	8173	203504	105502	
Peg		9	4.34	214430.69	+172100.2	8313	206859	107348	
Per	alf	33	1.79	032419.35	+495140.5	1017	20902	15863	Mirfak; Marfak (also HD145001)
Per	bet	26	2.09	030810.13	+405720.3	936	19356	14576	Algol
Per	del	39	3.01	034255.48	+474715.6	1122	22928	17358	
Per	eps	45	2.9	035751.22	+400037.0	1220	24760	18532	
Per	eta	15	3.77	025041.79	+555343.9	834	17506	13268	Miram
Per	gam	23	2.91	030447.79	+533023.2	915	18925	14328	
Per	gam	23	3	030444.1	+533110.	0	18926		
Per	iot		4.05	030902.88	+493648.6	937	19373	14632	
Per	kap	27	3.79	030929.63	+445128.4	941	19476	14668	Misam(also HD13994,158899)
Per	ksi	46	3.98	035857.90	+354727.7	1228	24912	18614	Menkib(also HD217906)
Per	lam	47	4.25	040635.06	+502104.9	1261	25642	19167	
Per	mu.	51	4.12	041453.86	+482433.7	1303	26630	19812	
Per	nu.	41	3.77	034511.64	+423442.8	1135	23230	17529	
Per	omi	38	3.84	034419.13	+321717.8	1131	23180	17448	Atik(also HD24398); Ati; Al Atik
Per	phi		4.01	014339.62	+504119.6	496	10516	8068	
Per	psi	37	4.32	033629.36	+481133.7	1087	22192	16826	
Per	rho	25	3.32	030510.50	+385025.9	921	19058	14354	Gorgonea Tertia
Per	sig	35	4.36	033034.48	+475942.6	1052	21552	16335	
Per	tau	18	3.93	025415.46	+524545.0	854	17878	13531	
Per	tau	18	4	025420.8	+524530	0	17879		

Per	the	13	4.1	024411.69	+491343.2	799	16895	12777	
Per	zet	44	2.84	035407.92	+315301.2	1203	24398	18246	Atik(also HD23180)
Per		16	4.22	025034.91	+381908.1	840	17584	13254	
PsA	alf	24	1.17	225738.83	-293718.6	8728	216956	113368	Fomalhaut
PsA	bet	17	4.29	223130.29	-322045.7	8576	213398	111188	
PsA	del	23	4.2	225556.89	-323222.9	8720	216763	113246	
PsA	eps	18	4.18	224039.33	-270237.0	8628	214748	111954	
PsA	gam	22	4.46	225231.56	-325231.6	8695	216336	112948	
PsA	iot	9	4.35	214456.79	-330132.0	8305	206742	107380	
PsA	mu.	14	4.5	220822.95	-325918.2	8431	210049	109285	
Psc	alf	113	3.82	020202.80	+024549.5	595	12446	9487	Alrishia; Kaitain; Okda; Rescha
Psc	alf	113	4.33	020202.8	+024549.	596	12447		
Psc	bet	4	4.48	230352.61	+034912.3	8773	217891	113889	
Psc	del	63	4.44	004840.90	+073506.7	224	4656	3786	
Psc	eps	71	4.27	010256.66	+075324.3	294	6186	4906	
Psc	eta	99	3.62	013128.99	+152045.0	437	9270	7097	Al'farg
Psc	gam	6	3.7	231709.49	+031656.1	8852	219615	114971	
Psc	iot	17	4.13	233956.82	+053738.5	8969	222368	116771	
Psc	lam	18	4.49	234202.88	+014649.5	8984	222603	116928	
Psc	nu.	106	4.45	014125.91	+052915.4	489	10380	7884	
Psc	ome	28	4.03	235918.60	+065148.9	9072	224617	118268	
Psc	omi	110	4.26	014523.59	+090927.5	510	10761	8198	Torcularis Septentrionalis
Psc	the	10	4.27	232758.17	+062244.8	8916	220954	115830	
Psc		30	4.37	000157.59	-060050.3	9089	224935	154	
Pup	kap01		3.8	073849.88	-264814.0	2948	61555	37229	Markab; Markeb(see HD79940)
Pup	ksi	7	3.34	074917.66	-245135.2	3045	63700	38170	Azmidiske
Pup	omi		4.4	074805.17	-255613.8	3034	63462	38070	
Pup	pi.		2.71	071708.56	-370551.0	2773	56855	35264	

Pup	rho	15	2.83	080732.70	-241816.0	3185	67523	39757	
Pup		16	4.4	080901.64	-191442.0	3192	67797	39906	
Pyx	alf		3.68	084335.55	-331111.1	3468	74575	42828	
Pyx	bet		3.97	084006.14	-351829.9	3438	74006	42515	
Pyx	gam		4.02	085032.01	-274236.2	3518	75691	43409	
ScI	alf		4.3	005836.35	-292126.9	280	5737	4577	
ScI	bet		4.38	233258.19	-374906.1	8937	221507	116231	
ScI	gam		4.41	231849.43	-323154.6	8863	219784	115102	
Sco	alf	21	1.06	162924.47	-262555.0	6134	148478	80763	Antares
Sco	bet01	8	2.56	160526.23	-194819.4	5984	144217	78820	Graffias; Grafias(also HD144070,152334); Grassias; Akrab
Sco	del	7	2.29	160020.01	-223717.8	5953	143275	78401	Dschubba
Sco	eps	26	2.29	165010.24	-341733.4	6241	151680	82396	
Sco	ksi		4.16	160421.63	-112224.8	5977	144069	78727	Graffias
Sco	lam	35	1.62	173336.53	-370613.5	6527	158926	85927	Shaula
Sco	nu.	14	4	161159.74	-192738.3	6027	145502	79374	Jabbah; Lesath(also HD158408)
Sco	ome01	9	3.93	160648.43	-204008.9	5993	144470	78933	
Sco	ome02	10	4.31	160724.30	-205207.2	5997	144608	78990	
Sco	pi.	6	2.89	155851.12	-260650.6	5944	143018	78265	
Sco	rho	5	3.87	155653.09	-291250.4	5928	142669	78104	
Sco	sig	20	2.9	162111.32	-253533.9	6084	147165	80112	Alniyat; Al Niyat(with HD149438)
Sco	tau	23	2.82	163552.96	-281257.5	6165	149438	81266	Alniyat; Al Niyat(with HD147165)
Sco	ups	34	2.7	173045.84	-371744.7	6508	158408	85696	Lesath(also HD145502)
Sct	alf		3.85	183512.44	-081435.9	6973	171443	91117	
Sct	bet		4.22	184710.48	-044452.2	7063	173764	92175	
Ser	alf	24	2.63	154416.00	+062531.9	5854	140573	77070	Unukalhai
Ser	bet	28	3.65	154611.21	+152518.9	5867	141003	77233	
Ser	del	13	3.8	153448.19	+103219.9	5788	138917	76276	

Ser	del	13	3.8	153448.1	+103221.	5789	138918		
Ser	eps	37	3.71	155048.89	+042839.3	5892	141795	77622	
Ser	eta	58	3.23	182118.92	-025349.6	6869	168723	89962	
Ser	gam	41	3.85	155626.99	+153953.0	5933	142860	78072	
Ser	kap	35	4.09	154844.41	+180830.4	5879	141477	77450	
Ser	ksi	55	3.54	173735.23	-152354.3	6561	159876	86263	
Ser	lam	27	4.42	154626.75	+072111.7	5868	141004	77257	
Ser	mu.	32	3.54	154937.27	-032548.5	5881	141513	77516	
Ser	nu.	53	4.32	172049.64	-125048.8	6446	156928	84880	
Ser	omi	56	4.24	174124.92	-125230.6	6581	160613	86565	
Sex	alf	15	4.48	100756.30	-002217.9	3981	87887	49641	
Sge	alf	5	4.39	194005.78	+180050.2	7479	185758	96757	Sham; Alsahm
Sge	bet	6	4.39	194102.93	+172834.0	7488	185958	96837	
Sge	del	7	3.68	194723.27	+183203.3	7536	187076	97365	
Sge	del	7	3.8	194723.1	+183201.	0	187077		
Sge	gam	12	3.51	195845.39	+192931.5	7635	189319	98337	
Sgr	del	19	2.72	182059.62	-294940.9	6859	168454	89931	Kaus Media
Sgr	eps	20	1.79	182410.35	-342303.5	6879	169022	90185	Kaus Australis
Sgr	eta		3.1	181737.73	-364540.6	6832	167618	89642	
Sgr	gam	10	2.98	180548.52	-302525.1	6746	165135	88635	Nash; Nushaba(see HD164975); Alnasi
Sgr	ksi02	37	3.52	185743.78	-210623.8	7150	175775	93085	
Sgr	lam	22	2.82	182758.27	-252516.5	6913	169916	90496	Kaus Borealis
Sgr	mu.	13	3.84	181345.81	-210331.8	6812	166937	89341	Polis
Sgr	omi	39	3.76	190440.93	-214428.9	7217	177241	93683	Manubrij
Sgr	phi	27	3.17	184539.35	-265926.8	7039	173300	92041	
Sgr	pi.	41	2.88	190945.83	-210124.7	7264	178524	94141	Albaldah; Al Baldah
Sgr	rho01	44	3.92	192140.38	-175050.1	7340	181577	95168	
Sgr	sig	34	2.05	185515.92	-261747.7	7121	175191	92855	Sadira; Nunki; Pelag

Sgr	the01		4.37	195944.17	-351634.5	7623	189103	98412	
Sgr	zet	38	2.6	190236.72	-295248.4	7194	176687	93506	Ascella; Askela; Astsella
Tau	alf	87	0.87	043555.20	+163035.1	1457	29139	21421	Aldebaran
Tau	bet	112	1.65	052617.50	+283628.3	1791	35497	25428	Alnath
Tau	del	61	3.77	042256.03	+173233.3	1373	27697	20455	Hyadum II
Tau	eps	74	3.53	042836.93	+191049.9	1409	28305	20889	Ain
Tau	eta	25	2.85	034729.06	+240618.9	1165	23630	17702	Alcyone
Tau	gam	54	3.65	041947.53	+153739.7	1346	27371	20205	Hyadum I
Tau	kap	65	4.21	042522.10	+221738.3	1387	27934	20635	
Tau	ksi	2	3.73	032710.12	+094358.0	1038	21364	16083	
Tau	lam	35	3.41	040040.82	+122925.4	1239	25204	18724	
Tau	mu.	49	4.27	041532.05	+085332.7	1320	26912	19860	
Tau	nu.	38	3.91	040309.38	+055921.5	1251	25490	18907	
Tau	omi	1	3.61	032448.84	+090144.6	1030	21120	15900	
Tau	tau	94	4.27	044214.70	+225725.1	1497	29763	21881	
Tau	the01	77	3.84	042834.43	+155744.0	1411	28307	20885	
Tau	the02	78	3.4	042839.67	+155215.4	1412	28319	20894	
Tau	ups	69	4.28	042618.39	+224849.3	1392	28024	20711	
Tau	zet	123	2.97	053738.68	+210833.3	1910	37202	26451	
Tau		10	4.29	033652.52	+002410.2	1101	22484	16852	
Tau		17	3.72	034452.52	+240648.4	1142	23302	17499	Electra
Tau		20	3.87	034549.59	+242204.3	1149	23408	17573	Maia
Tau		23	4.14	034619.56	+235654.5	1156	23480	17608	Merope
Tau		27	3.62	034909.73	+240312.7	1178	23850	17847	Atlas
Tau		68	4.3	042529.32	+175540.8	1389	27962	20648	
Tau		71	4.48	042620.67	+153706.0	1394	28052	20713	
Tri	alf	2	3.42	015304.90	+293445.8	544	11443	8796	Metallah(see HD150798); Mothallah
Tri	bet	4	3	020932.52	+345914.6	622	13161	10064	

UMa	alf	50	1.81	110343.84	+614504.0	4301	95689	54061	Dubhe
UMa	bet	48	2.34	110150.39	+562256.4	4295	95418	53910	Merak; Mirak
UMa	chi	63	3.69	114603.13	+474645.6	4518	102224	57399	Alkaphrah; El Koprah
UMa	del	69	3.32	121525.45	+570157.4	4660	106591	59774	Megrez
UMa	eps	77	1.76	125401.63	+555735.4	4905	112185	62956	Alioth
UMa	eta	85	1.85	134732.55	+491847.9	5191	120315	67301	Alkaid
UMa	gam	64	2.41	115349.74	+534141.0	4554	103287	58001	Phad(also HD37795); Phecda; Phacd
UMa	iot	9	3.12	085912.84	+480232.5	3569	76644	44127	Talitha
UMa	kap	12	3.57	090337.56	+470924.0	3594	77327	44471	
UMa	ksi	53	3.79	111811.24	+313150.8	4374	98230	55203	Alula Australe
UMa	ksi	53	4.41	111811.0	+313145.	4375	98231		
UMa	lam	33	3.45	101705.93	+425452.1	4033	89021	50372	Tania Borealis
UMa	mu.	34	3.06	102219.80	+412958.0	4069	89758	50801	Tania Australis
UMa	nu.	54	3.49	111828.76	+330539.3	4377	98262	55219	Alula Borealis
UMa	omi	1	3.35	083016.03	+604306.4	3323	71369	41704	Muscida(also HD72905,73108)
UMa	psi	52	3	110939.86	+442954.8	4335	96833	54539	
UMa	the	25	3.17	093252.33	+514043.0	3775	82328	46853	
UMa	ups	29	3.78	095059.69	+590220.8	3888	84999	48319	
UMa	zet	79	2.23	132355.42	+545531.5	5054	116656	65378	Mizar(also HD6860,129989)
UMa	zet	79	3.95	132356.4	+545518.	5055	116657		
UMa		10	3.96	090038.75	+414700.4	3579	76943	44248	
UMa		26	4.47	093449.49	+520305.6	3799	82621	47006	
UMi	alf	1	1.97	023147.08	+891550.9	424	8890	11767	Polaris
UMi	bet	7	2.07	145042.40	+740919.7	5563	131873	72607	Kochab
UMi	del	23	4.35	173212.90	+863510.8	6789	166205	85822	Yildun; Pherkard
UMi	eps	22	4.21	164558.16	+820214.1	6322	153751	82080	
UMi	gam	13	3	152043.75	+715002.3	5735	137422	75097	Pherkad
UMi	zet	16	4.29	154403.46	+774740.2	5903	142105	77055	

UMi		2	4.24	010844.16	+861525.6	285	5848	5372	
UMi		5	4.25	142731.52	+754145.4	5430	127700	70692	
Vir	alf	67	0.98	132511.60	-110940.5	5056	116658	65474	Spica
Vir	bet	5	3.59	115041.29	+014555.4	4540	102870	57757	Zavijah; Alaraph(see HD113226,116658)
Vir	del	43	3.39	125536.48	+032351.4	4910	112300	63090	Auva
Vir	eps	47	2.85	130210.76	+105732.8	4932	113226	63608	Vindemiatrix
Vir	eta	15	3.89	121954.39	-004000.3	4689	107259	60129	Zaniah
Vir	gam	29	2.74	124140.00	-012658.3	4825	110379	61941	Porrira
Vir	gam	29	3.68	124139.6	-012658.	4826	110380		
Vir	iot	99	4.07	141600.88	-055958.3	5338	124850	69701	Syrma
Vir	kap	98	4.18	141253.74	-101626.6	5315	124294	69427	
Vir	mu.	107	3.87	144303.56	-053926.7	5487	129502	71957	Rijl al Awwa
Vir	nu.	3	4.04	114551.57	+063147.3	4517	102212	57380	
Vir	omi	9	4.12	120512.67	+084358.2	4608	104979	58948	
Vir	tau	93	4.23	140138.78	+013240.5	5264	122408	68520	
Vir	the	51	4.38	130957.01	-053220.1	4963	114330	64238	
Vir	zet	79	3.38	133441.75	-003545.4	5107	118098	66249	Heze
Vir		109	3.73	144614.99	+015334.6	5511	130109	72220	
Vir		110	4.39	150254.07	+020528.6	5601	133165	73620	
Vul	alf	6	4.44	192842.41	+243954.6	7405	183439	95771	Anser (rarely used)
Vul		23	4.5	201546.16	+274851.2	7744	192806	99874	

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### Source

Kostjuk N.D. 2002. *HD-DM-GC-HR-HIP-Bayer-Flamsteed Cross Index*. CDS Cat. IV27. Url: <http://cdsarc.u-strasbg.fr/viz-bin/Cat?IV/27> accessed Sept. 2007.