item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
0	Solar System Sun		G2 V		4.83	0	0	0	0	0.000				4e, 4g + dwarf planets, moons	1	
1	proxima Cen (V645)	(Red dwarf in alpha Cen), b	M5.5 V		15.48901452	14	29.715809	-62	-40.76939	4.232	2.2416	78.4820	-22.4	1	0.14	Centauri
2	alpha Cen Rigil KenTauri Rigil Kent Toliman	B C	G2 V	K1 V	5.69237068	14	39.6034	-60	-50.13717	4.391	2.1367	79.2347	-22.3		0.107	Centauri
3	Barnard's star (HIP 87937) (GJ 699)	BY Draconis variable	M4V			17	57.80833	4	41.601856	5.951	6.0467	4.4299	-110.51	2g		Ophiuchi
4	WISE J104915.57-531906.1	Brown dwarf - low mass	L8	T1		10	49.31525	-53	-19.168	6.590	1.6183	82.6885	2.75			Velorum
5	WISE 0855–0714	Rogue Planet or sub Brown dwarf. Temp. -48 to -13 Celsius	Y			8	55.1805	-7	-14.70833	7.300	4.7299	85.0608		1g		Hydri
6	CN Leo Wolf 359	Red dwarf	M6.5		13.25	10	56.481083	7	0.8795	7.774	2.7403	234.6532	19.321			Leonis
7	Lalande 21185 (BD+36°2147) (HD 95735)	B flare star?	M2.1 V	?	16.55743932	11	3.3365667	35	58.192803	8.298	2.7931	186.9419	-84.69			Ursae Majoris
8	alpha Cma Sirius A	B White dwarf	A1 V	DA	1.464398907	6	45.148621	-16	-42.96695	8.592	0.7792	204.0572	-5.5			Canis Majoris
9	UV Cet Luyten 726-8	B	M5.6 V	red dwarf	15.47291438	1	39.021667	-17	-57.01667	8.769	1.9595	279.6050	29			Ceti
10	Ross 154 GL 729 V1216 Sgr	Red dwarf	M3.5Ve		13.09479628	18	49.82273	-23	-50.17423	9.693	0.3886	106.8427	-10.5			Sagittarii
11	Ross 248 (HH And)	flare star	M5.0V		14.78568497	23	41.916483	44	10.679667	10.287	0.9291	175.8668	-77.72			Andromedae
12	epsilon Eri (HD 22049) (HIP 16537) (eps Eri)	b, c, dust	K2 V		6.1	3	32.930749	9	27.49552	10.478	0.5674	88.8550	16.43	1g, 1e, dust	0.033	Eridani
13	Lacaille 9352 (HD 217987)		M2V		9.75	23	5.8672576	-35	-51.18431	10.709	4.0117	281.1241	8.17			Piscis Austrini
14	Ross 128 (Fl Vir)	Flare star	M4.5 V		13.50256408	11	47.739957		48.27325	11.014	0.7942	153.5914	-31.173			Virginis
15	EZ Aqr Luyten 789-6	B, C, (Red dwarfs) BY Draconis variable	M5.5 V	M?	15.00395131	22	38.562133	-15	-17.9555	11.097	1.8961	314.7638	-60			Aquarii
16	WISE 1506+7027	Brown dwarf	T6			15	6.8315	70	27.603833	11.100	0.9442	49.8735				Ursae Minoris
17	WISE J035000.32-565830.2	Brown dwarf	Y1			3	50.005467	-56	-58.50383	11.196	0.3570	199.6161				Reticuli
18	61 B Cyg	Flare	K7V			21	6.9210678	38	44.522702	11.386	3.0127	307.5463	-64.07			Cygni
19	61 A Cyg	BY Draconis variable	K5V		8.307422009	21	6.8989935	38	44.96495	11.394	3.0731	307.9708	-65.74	3g	0.02	Cygni
20	alpha Cmi Procyon	B	F5 IV-V	DF	11.95192438	7	39.301992	5	13.499253	11.449	0.7326	214.5756	-3.2		0.0362	Canis Minoris
21	GJ 725 A (HD 173739) (Struve 2398 A)	B (flare stars)	K5	M3.5V	11.13796054	18	42.778414	59	37.82353	11.474	1.2921	36.2047	-1.07		0.042	Draconis
22	GJ 725 B (HD 173740)		M3.5V	K5		18	42.78157	59	37.612052	11.477	1.3555	36.9332	1.09			Draconis
23	OGLE BLG-LPV-225466	Mira-type variable star				18	12.206945	-26	-8.040546	11.545	0.0099	95.0967				Sagittarii
24	Groombridge 34 GL 15 (GX And)	B	M1V	M3.5Ve	10.31788307	0	18.381442	44	1.37745	11.605	1.6985	278.0990	11.62			Andromedae
25	Groombridge 34B GL 15B (GX And B)	Flare	M3.5Ve			0	18.424967	44	1.6273333	11.665	1.7064	276.8730	10.96			Andromedae
26	DX Cnc (G 51-15)	Flare star	M6.6 V		17.01297131	8	29.822547	26	46.560446	11.665	0.7394	241.1967	9			Cancri
27	epsilon Ind B (GJ 845 B)	Brown dwarf	T1V+T6V			22	4.1753333	-56	-46.96167	11.813	2.8155	120.7993			0.042	Indi
28	epsilon Ind (GJ 845)	Orange dwarf, B, C	K5V	T1 V, T6 V	6.892656352	22	3.3609038	-56	-47.15895	11.856	2.7391	122.5870	-40			Indi
29	tau Cet	7 planets, PM	G8 V		5.68009966	1	44.068056	-15	-56.24877	11.892	1.1178	63.6047	-16.68	3e, 3 super Eartths	0.036	Ceti

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
30	GJ 1061 (LHS 1565)	Red dwarf	M5.5V		14.86677961	3	35.994995	-44	-30.76209	11.967	0.4850	116.6284	-20			Horologii
31	YZ Cet	Red dwarf	M4.5 V		14.19916498	1	12.510653	-16	-59.93892	12.022	0.7958	297.9313	28.09			Ceti
32	HIP 82724	PM	Mp		12.04845831	16	54.535762	-62	-23.98082	12.043	0.2276	304.4959				Arae
33	Luyten BD+5 1668	Red dwarf	M3.7V		11.95192438	7	27.408329	5	13.54722	12.389	2.1745	171.1890	18.22			Canis Minoris
34	Teegarden's Star (GAT 1370) (2Mass 02530084+1652532)	Red dwarf	M7.0 V		17.5	2	53.014855	16	52.877368	12.482	2.9806	137.9796	63			Arietis
35	SCR 1845-6357	Red dwarf, B	M8.5+T6	T.5.5		18	45.0903	-63	-57.7925	12.557	1.5501	283.4005	-18			Pavonis
36	SCR 1845-6357 B	Brown dwarf	T5.5			18	45.091167	-63	-57.77167	12.557	1.4784	285.8958				Pavonis
37	Kapteyn's Star	2nd highest Proper Motion - halo star Oldest known planet 4.8x Earth + one 7x Earth sizes	M1VIp		10.88491382	5	11.676352	-45	-1.104832	12.743	5.0437	131.3794	245.19	2	0.05	Pictorus
38	AX Mic (Lacaille 8760)		K5.5 V		8.688775957	21	17.254481	-38	-52.04183	12.937	2.0095	250.6332	20.56		0.042	Microscopii
39	WISE J053516.80-750024.9	Brown dwarf	Y1			5	35.280117	-75	-0.415333	13.032	0.0743	84.1554				Mensae
40	CD-25 10553A	Red dwarf, B	M1.5V	M1.5V	13.91755585	14	49.54377	-26	-6.336525	13.143	0.8051	82.5213	-39.6			Hydrae
41	Kruger 60 A DO Cephei (HD 239960B)	Red dwarf	M3.3 V	M5 V	11.83552681	22	27.9928	57	41.754667	13.150	0.5232	243.6629	-28			Cephei
42	DEN 1048-3956	Brown dwarf	M9 V L0		19.37	10	48.244	-39	-56.104	13.170	0.8968	231.0040	-10.1			Antilae
43	UGPS J072227.51-054031.2	Brown dwarf	T9		20	7	22.454833	-5	-40.5	13.244	0.5645	68.7267	46.9			Microscopii
44	Ross 614 A (V577)	Flare star, B	M4.5 V	M 5.5	13.05704817	6	29.390112	-2	-48.83784	13.445	0.5432	130.9458	16.7			Monocerotis
45	HIP 82725	PM	K0IV		13.25758716	16	54.53579	-62	-24.22448	13.509	0.1971	304.0531				Arae
46	WISE J041022.71+150248.5	Brown dwarf	T6			4	10.379833	15	2.7911667	13.983	1.4075	156.4656				Tauri
47	Wolf 1061 BD-12.4523	BY Draconis variable	M3.5 V		11.93080683	16	30.300973	-12	-39.75542	14.026	0.6908	184.5507	-21.22			Ophiuchi
48	van Maanen's Star (WD0046)	White dwarf	DZ7.5		14.15965094	0	49.164974	5	23.316552	14.059	1.7327	155.5793	-38			Piscium
49	CD-37.15492 GJ 1 (HD 225213)	Red dwarf suspected Flare star, Part of AB Doradus stellar group with orbital eccentricity of 0.45 galactic orbit. HD 225213	M2.0 V		10.34230436	0	5.40713	-37	-21.44174	14.157	3.5477	112.5119	25.29			Sculptoris
50	FL Vir (Wolf 424 A)	(flare star) B (1ly in 9700AD)	M5.3 V	M7	14.86931108	12	33.289717	9	1.2628333	14.296	1.0134	83.3075	1			Virginis
51	2MASS J15404341-5101357		M7V			15	40.723667	-51	-1.595	14.400	0.0012	99.5859				Normae
52	TZ Ari (L 1159-16) (GJ 83.1)	Red dwarf	M4.5 V		14.02930041	2	0.2159366	13	3.1170216	14.568	1.2128	148.2621	-28.308			Arietis
53	GJ 3622 (LHS 292) (Luyten Palomar 731-58)	Red dwarf	M 6.5 V			10	48.209717	-11	-20.13717	14.742	0.9525	159.2514	-0.2			Sextantis
54	GJ 674 (CD -46 11540)		M3 V		11.06	17	28.665744	-46	-53.71155	14.793	0.6108	147.0347	-2.73	1g		Arae
55	GJ 687 (BD+ 68 946)	B?	M3.3 V	?	10.90048702	17	36.431653	68	20.348402	14.824	0.7618	194.1744	-28.58			Draconis
56	Luyten 145-141 (LAWD 37)	White dwarf Border area with Centauri	DQ		13.17628628	11	45.715284	-64	-50.49107	15.102	1.5614	97.3823				Muscae
57	GJ 1245 (V1581) (G 208-44)	Red dwarf, B, C	M5.5	M6, M?	15.31	19	53.90781	44	24.88475	15.153	0.3510	143.2555	3			Cygni
58	CD-25 10553B	PM	M1.5V			14	49.529384	-26	-6.710382	15.177	0.3633	140.5234	-38.8			Hydrae
59	GL 876 (Ross 780) BD-15.6290	Red dwarf	M3.9 V		11.80873536	22	53.278892	-14	-15.82198	15.276	0.6828	125.1297	-1.519	2g, 1e		Aquarii
60	GJ 1002 (G 158-27)	PM Red dwarf	M5.5		15.38985812	0	6.7209167	-7	-32.24517	15.296	1.2001	201.2908	-33.7			Ceti

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
61	GJ 3618 (LHS 288) (L 143-23)	Red dwarf	M4.5 V		15.74	10	44.355333	-61	-12.64067	15.592	0.9490	12.1099				Carinae
62	Gliese 412 (BD+44 2051 A) (LHS 38)	B Halo population - Red dwarf	M2		10.34	11	5.4762833	43	31.606567	15.795	2.6239	77.9321	68.753	1g		Ursae Majoris
63	WX UMa (GJ 412)	flare star, B	M6	M2V	16.03	11	5.5221667	43	31.285	15.795	2.6235	77.9321	68.753			Ursae Majoris
64	Groombridge 1618 (GJ 380)	Flare star	K6VeFe-1		8.151098416	10	11.369	49	27.254153	15.863	0.8452	290.3215	-26.8	1g ?	0.042	Ursae Majoris
65	WISE J163940.84-684739.4	Brown dwarf (discovered 2012)	Y0 pec			16	39.68	-68.79		16.120	3.5000	169.3000				Trianguli Australis
66	GJ 832 (HD 204961)	Red dwarf (border area to Indi constellation) B, C	M2V	?, ?	10.20244681	21	33.566256	-49	-0.54032	16.139	0.4764	183.2236	4.3	1g		Gruis
67	DEN 0255-4700	B (L Binary) (DENIS-P J025503.5-470050) Brown dwarf	L9		24.44	2	55.05965	-47	-0.849833	16.179	0.6682	119.4980			0.107	Eridani
68	AD (BD + 20 2465) GJ 388	Red dwarf	M4.5 eV		10.87	10	19.605	19	52.198333	16.179	0.2912	264.9931	12.5			Leonis
69	omicron 2 40 Eri (Star Trek Vulcan home star) (HD 26965) (Keid) (HIP 19849)	B, C, b	K0 V	M4.5V, DA	5.915956445	4	15.271994	-7	-39.17234	16.240	2.3786	213.2230	-42.32	1e	0.8	Eridani
70	GJ 1005 (Luyten 722-22) (G 158-50)	B possible multiple star	M4V	M V	12.93	0	15.468515	-16	-8.027172	16.247	0.5534	129.7071	-26.43			Ceti
71	WISE J052126.29+102528.4	Brown dwarf	T7.5			5	21.438283	10	25.475	16.310	0.2781	150.9687				Orionis
72	Ev lac (BD+43 4305)	Red dwarf	M3.8 V		11.74409351	22	46.828853	44	20.039537	16.454	0.4899	236.9889	0.4			Lacertae
73	GJ 682 (CD-44 11909)	Red dwarf PM	M3.5		12.43683257	17	37.06104	-44	-19.15283	16.546	0.6838	217.1012	-60	2		Scorpii.
74	70 Oph	B,BY Draconis variable	K0 V	K5 V	7.468138459	18	5.454753	2	30.00593	16.562	0.5648	172.6520	-6.87		0.057	Ophiuchi
75	2MASS J09393548	Cool Brown Binary T dwarfs	T8	T7.5		9	39.3548	-24	-48.279	16.622	0.6934	151.2629				Hydri
76	alpha Aql (Altair)	Variable star of delta Sct type	A7V		2.213928062	19	50.783309	8	52.099272	16.712	0.3841	305.6979	-26.6			Aquilae
77	GJ 3379 (G 99-049)		M4		12.68106427	6	0.0583977	2	42.39328	16.963	0.1816	97.4809	28.7			Orionis
78	DENIS 2MASS J08173001-6155158	Brown dwarf	T6			8	17.499981	-61	-55.26104	17.010	0.6664	342.9414				Carinae
79	AC + 79.3888 (GJ 445)	PM	M3.7V		12.14148544	11	47.689808	78	41.469656	17.124	0.5173	302.7176	-111.65			Ursae Majoris
80	GJ 3323 (LHS 1723) (LP 656-38)	PM	M4.5 V		12.37772159	5	1.9578167	-6	-56.76533	17.337	0.4458	225.8936	39.417			Eridani
81	2MASS J18353790+3259545	PM	M8.5V		19.5	18	35.6317	32	59.909833	17.516	0.4422	183.0167	8.4			Herculis
82	WISE 2MASS J02540788+0223563	Brown dwarf	T8.0			2	54.15855	2	23.977333	17.611	1.5106	276.8349				Ceti
83	Lalande 25372 / Wolf 498 (HD 119850)	Flare star, PM	M1.7V		9.785622766	13	45.729591	14	53.49122	17.708	1.3358	129.3295	15.57			Boötis
84	EGGR 180	White dwarf	DC5			4	31.209516	58	58.688211	17.972	1.3737	145.5706	2			Persei
85	Stein 2051 (G 175-34)	B (AC + 58 25002)	M4.5V	DC	12.37270754	4	31.19201	58	58.624677	18.174	1.4114	147.5245	27.9			Persei
86	Wolf 294 (AC + 33 25644) (HD 265866) (GJ 251)	Red dwarf, PM	M4		11.2077486	6	54.815962	33	16.090643	18.184	0.4819	241.2730	22.91			Geminorum
87	WISE J174124.26+255319.5	Brown dwarf (discovered 2011)	T9			17	41.4	25.89		18.200	0.9035	198.5866				Herculis
88	HIP 103039 (LP 816-060)	Red dwarf, PM	M4V		12.71214588	20	52.550279	-16	-58.48346	18.291	0.1812	83.1136	16.3			Capricorni

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
89	2MASS J11145133-2618235	Brown dwarf (discovered 2012)	T7.5			11	14.855617	-26	-18.39267	18.428	1.7168	262.7151				Hydrae
90	El - G Sep-38 Cnc (GJ 1116) (LHS 2076)	B (LP426-40)	M7V	M7V	15.46857485	8	58.252083	19	45.783667	18.448	0.5025	266.4154	14			Cancri
91	WISE J174124.25+255319.5	Brown dwarf	T9			17	41.404317	25	53.327667	18.511	0.9035	198.5866				Herculis
92	LP 658-2 Wolf 1453 (HD 36395)	Red dwarf	M1.5 V		15.39885478	5	31.456597	-4	-40.63369	18.572	1.2954	160.0004	8.67			Orionis
93	GJ 754 (LHS 60)	PM	M4.5		13.45385881	19	20.79925	-45	-33.47217	18.596	1.7225	167.5002	16			Telescopii
94	WISEP J154151.66-225025.2 (WISE 1541-2250)	Brown dwarf	Y0.5			15	41.88	-22.84		18.630	0.5232	264.3845				Librae
95	2MASS J04151954-0935066	Brown dwarf	T8.0			4	15.325667	-9	-35.11167	18.688	1.3122	283.5125				Eridani
96	sigma Dra (Alsafi)		K0V		5.875370691	19	32.359847	69	39.670533	18.806	1.0694	161.0201	26.78		0.036	Draconis
97	GJ 229 (HD 42581)	B (Red dwarfs), Flare star	M1.0 V	T6.0 V	9.31	6	10.576928	-21	-51.8787	18.869	0.4234	190.8057	4.892			Leporis
98	Ross 47 AC+12 1800-213	BY Draconis variable	M4V		12.71746735	5	42.154462	12	29.360375	18.992	1.4793	128.1180	105.83			Orionis
99	eta Cas B (HD 4614) (HIP 3821)	B	F9V	M0V	8.63641715	0	49.10507	57	48.912536	19.021	0.7041	117.4997	8.44		0.057	Cassiopeiae
100	GJ 570A (HD 131977)	By Draconis variable, (Red dwarfs) B,C,D	K4V	M1V, M3V	8.629519842	14	57.466691	-21	-24.92855	19.028	1.1714	148.9987	26.79		0.042	Librae
101	GJ 693 LHS 454	PM Red dwarf	M3.5V		11.92	17	46.570559	-57	-19.14267	19.180	1.0211	219.5288	-115			Pavonis
102	GJ 908 BD+01 4774 (V* BR Psc)	By Draconis variable	M1VFe-1		8.98	23	49.208752	2	24.073384	19.237	0.8069	134.2984	-71.32			Piscium
103	GJ 570D	Brown dwarf	T8	K4V, M1.5V		14	57.249333	-21	-21.79667	19.244	1.1705	149.0753	25.9			Librae
104	GJ 588 (CD-40 9712)	PM Red dwarf	M3 V		10.44325725	15	32.215	-41	-16.53333	19.277	0.9101	228.7777	15.5			Lupi
105	Van Biesbroeck's Star VB10 (+4 4048 : 180617)	Flare star BY Draconis variable	M8V	?	10.26556315	19	16.960172	5	9.0264779	19.282	0.8671	203.6600	29			Aquilae
106	Ross 986:00:00 AC+38 23616	B	M4.5	M V	12.47281518	7	4.2	38	22.8	19.300	1.0800		-39			Aurigae
107	GJ 570B (HD 131976)		M1.5V	K4V, T8		14	57.442222	-21	-24.69296	19.304	1.1251	150.1774	25.9			Librae
108	eta Cas B	PM	K7Ve			0	49.086534	57	49.069507	19.307	0.7197	112.2982	10.45			Cassiopeiae
109	TYC 3980-1081-1	(discovered August 18 2014)	M2			21	12.909683	59	17.650398	19.320	0.0615	49.1457	0.8			Cephei
110	WISE J200050.19+362950.1	Brown dwarf	T8			20	0.84	36.5		19.390						Cygni
111	eta Cas (Achird)	B	G0 V	dM0	4.59	0	49.104853	57	48.911233	19.420	0.7113	117.2440	-10		0.057	Cassiopeiae
112	36 Oph	B C	K1	K2V, K5V	6.19	17	15.35	-26	-36.1	19.462	1.2380	202.5000	1		0.033	Ophiuchi
113	HD 155876 (HIP 84140)	Fu46, B	M3	M V	10.95562057	17	6.6	45	27	19.475	0.9668	167.8914	-30.9			Herculis
114	YZ Cmi	By Draconis variable	M4		12.33415905	7	44.669544	3	33.147964	19.507	0.3291	217.9796	26.53			Canis Minoris
115	GJ 783 (HR 7703) (HD 191408)	B	K2.5	M5	6.410575932	20	11.198975	-36	-6.072559	19.600	0.9553	163.7647	-129.3		0.02	Sagittae
116	82 Eri (HD 20794)		G5		5.35	3	19.928333	-43	-4.183333	19.756	1.8175	283.4490	87.2			Eridani
117	A Aur (Gl 268 - QY)	B	M5Ve		12.47281518	7	10.036019	38	31.905927	19.789	1.0450	204.9000	-12.05			Aurigae
118	delta Pav	PM, b, c, d (Herati Nuba Occidenterra)	G8IV		4.630641309	20	8.7267402	-66	-10.92263	19.860	0.9669	133.0998	-23.52		0.057	Pavonis
119	delta Pav d	New Anchorage	planet			20	8.7267402	-66	-10.92263	19.860	0.9669	133.0998	-23.52			Pavonis
120	LP 44-113 (EGGR 372) (GJ 1221)	White dwarf	DXP9			17	48.12	70.88		19.866	0.9805	48.4879				Draconis

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
121	SIMP J013656.57+093347.3	Brown dwarf considered a planet member of Carina-Near Stellar group.	T2.5			1	36.942663	9	33.788841	19.905	0.7209	90.8024		1g		Piscium
122	2MASS J09373487+2931409	Brown dwarf	T6.0			9	37.581333	29	31.683333	19.940	0.9438	143.1442				Leonis
123	-45 13677 : (HD 191849)		M0 V		13.45385881	20	13.88994	-45	-9.841224	20.071	0.4622	101.5997	-33.289			Telescopii
124	GJ 555 (BD-11 3759)		M3.5Ve		12.37	14	34.280193	-12	-31.17362	20.348	0.4022	30.9002	-1.45			Librae
125	Gliese 896A (BD+19 5116)	Red dwarf, B	M4	M6	11.40141406	23	31.876235	19	56.233401	20.355	0.3222	272.1045	3.34			Pegasi
126	GJ 338 (MCC 541)	B, Double or multiple star	K7V	M0V	8.723531135	9	14.43652	52	41.278271	20.452	1.6340	249.8000			0.033	Ursae Majoris
127	GJ 581 (Wolf 562) (BD-07 4003)	Red dwarf 3 planets 2? Debris	M2.5 V		11.5740757	15	19.446667	-7	-43.33333	20.537	0.7128	265.4478	-9.5	1e, 2g, 2? & debris	0.9	Librae
128	53 1320 : 79211	B	M0	M0	8.662072405	9	6.6	52	32.4	20.636	1.6800		-11			Ursae Majoris
129	HD 79210 (HIP 45343)	Flare Star, B	K7V	M?		9	0.24	52.69		20.636	0.9585	249.7910	11.14			Ursae Majoris
130	GJ 3737 (LHS 337)	PM	M4.5V		13.455074	12	38.864618	-38	-21.39496	20.781	0.8782	202.0622				Centauri
131	LP 368-128	PM	M6 V			9	0.3924489	21	50.081637	20.784	0.4567	221.0546	0			Cancri
132	GJ 661 LHS 433	Red dwarf B	M3 V	?	10.9	17	12.131667	45	39.95	20.855	1.6250	168.4000				Herculis
133	G 180-060	dwarf	Dm +N		15.76	16	31.306667	40	51.9	20.897	0.3580	330.0000				Herculis
134	LP 944-020	Red dwarf	M9.5V		20.02	3	39.587542	-35	-25.72714	20.917	0.2445	311.0449	6			Eridani
135	B2074 Vel (HIP 54298)		F5V		12.64557761	11	6.5114466	-53	-16.13155	21.005	0.0075	152.1922	15.12			Centauri
136	SDSS J150319.64+252522.4	Brown dwarf	T5.5			15	3.3268427	25	25.329555	21.030	0.3293	351.0850				Boötis
137	GJ 644 C	A,B	M7V			16	55.587602	-8	-23.67922	21.033	0.0007	222.5134	23			Ophiuchi
138	HD 152751 GJ 644	B,C	M3.5Ve			16	55.479293	-8	-20.17979	21.033	0.0007	222.3899	14.5			Ophiuchi
139	Wolf 629 GL 644B	A,C	M3.5V			16	55.42036	-8	-19.35502	21.033	0.0007	222.3899	15.2			Ophiuchi
140	GJ 625 (G 202-48)	PM	M1.5 V		11.02821769	16	25.41	54	18.25	21.145	0.2705	111.6444	-13.03			Draconis
141	GJ 1128 (L 100-115)	PM Red dwarf	M4.5		13.81412938	9	42.773333	-68	-53.1	21.186	0.6580	3.8287	-21		0.042	Volantis
142	GJ 223.2 (WD 0552-041) (EGGR 45)	White dwarf	DZ9		15.39885478	5	55.161667	-4	-10.28333	21.186	1.3774	167.1142				Orionis
143	GJ 892 BD+56 2966 (HR 8832) (HD 219134)	Flare star	K3V		6.486860717	23	13.282913	57	10.101275	21.283	1.2190	278.0916	-18.83			Ursae Majoris
144	WISE 0313+7807	Brown dwarf discovered in 2011	T8.5			3	13.433667	78	7.74	21.294	0.0856	91.5587				Cephei
145	GL Vir GJ 1156	Flare	M4.5Ve		14.73203743	12	18.989999	11	7.5628375	21.308	0.7483	80.8909	5.82			Virginis
146	GJ 408 Ross 104		M2.5 V		10.91430944	11	0.0716667	22	49.983333	21.606	0.5100	236.7000	-10.02			Leonis
147	ksi Boö (Nekkar) Meres		G8V	K4 Ve	5.569717186	14	51.38807	19	6.0379974	21.852	0.1690	129.0000	4.02		0.033	Boötis
148	37 ksi Boö B		K4 Ve	G8V	7.839717186	14	51.384073	19	6.1146938	21.982	0.1309	143.8491	2.29		0.057	Boötis
149	NN 3522 G 041-014	B, C	M3.5V			8	58.93868	8	28.434467	22.064	0.2925	129.9967	53.44		0.016	Cancri
150	GJ 829 - Ross 775 A	B Red dwarf	M3.0Ve		11.15555933	21	29.613533	17	38.597659	22.072	0.6259	290.6132	-25			Pegasi
151	HIP 85605 Rogue Star	B M or K sub dwarf - Expected to pass within 1 parsec of Earth in 300,000 years	m		12.92416161	17	29.603146	24	39.193286	22.187	0.0050	152.2415	-21			Herculis
152	GJ 880 (Ross 671) (HD 216899)	PM Red dwarf	M1.5 V		9.480879683	22	56.580079	16	33.205895	22.375	0.6243	254.6532	-27.44			Pegasi
153	GJ 3193 (BD-17 588A)	Flare Star, B	M3	M2.5V	10.80171415	3	1.8565469	-16	-35.60037	22.384	0.2656	233.9722				Eridani
154	GJ 299 Ross 619	Red dwarf	M4 V		13.68130858	8	11.958333	8	48.466667	22.395	3.0482	167.8923	-35			Cancri

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
155	LP 914-54 (LHS 3003)	Flare	M7.0Ve			14	56.638567	-28	-9.789667	22.423	0.5670	209.7740	1			Hydrae
156	WISE J035934.06-540154.6	Brown dwarf	Y0			3	59.567783	-54	-1.910667	22.469	0.5508	190.7758				Reticuli
157	GJ 3192 (LP 771-095)	Red dwarfs B C	M3	M3.5 V, ?	12.03	3	1.8566667	-16	-35.6	22.532	0.4770	234.4000				Eridani
158	WISE J205628.91+145953.2	Brown dwarf	Y0			20	56.482	14	59.887	22.625	0.6024	301.6945				Delphini
159	GJ 402 (Wolf 358)	BY Draconis variable	M4V		12.89550239	10	50.867187	6	48.487726	22.704	0.6891	226.2854	-1.04			Leonis
160	Gliese 393 (BD+01 2447)	PM	M2.0Ve		10.34395388	10	28.931717		50.566705	22.913	0.5518	219.4779	8.294			Sextantis
161	UCAC4 642-113039	PM	M5V			21	46.367872	38	13.082916	22.936	0.1169	126.5075	-98.52			Cygni
162	Gliese 809 (HD 199305)	PM	M1V		9.310676984	20	53.32981	62	9.3763368	22.938	0.4496	179.9858	-17.3			Cephei
163	GJ 1068	PM	M4.5		13.09544993	4	10.468723	-53	-36.13564	23.179	1.4851	198.8603	27			Doradus
164	Gliese 667A (HD 156384)	B, C with 5 planets	K4	K5V, M2.5	8.02	17	18.952807	-34	-23.38569	23.200	0.6588	93.9000	6.5	2e + 3?	0.8	Scorpii
165	2MASS J08354256-0819237	Brown dwarf	L6.5			8	35.708872	-8	-19.38982	23.505	0.3580	60.5262	29.89			Hydrae
166	GJ 1286 (G157-77)	PM	M5.0Ve		15.39881615	23	35.133666	-2	-22.71702	23.557	0.7447	138.4077	-27.885			Piscium
167	GJ 105A (SAO 110636A)		K3V		6.530695401	2	36.081578	6	53.212443	23.573	1.3434	309.6695	25.85			Ceti
168	GJ 105B (SAO 110636) (268 G.) (V* BX Cet)	By Draconis variable	DM4.5		12.3706954	2	36.25595	6	53.212443	23.573	1.3495	308.5942	26.8		0.02	Ceti
169	GJ 105C		M4.0V			2	36.077667	6	53.246667	23.573	1.3495	308.5942				Ceti
170	GJ 4274	Flare	M4.5Ve			22	23.116167	-17	-36.41667	23.681	0.5405	164.4977	308.26			Aquarii
171	ksi UMa AB	A, B, Bb (2 additional M stars and a Brown dwarf)	F8.5	G2V, M?, M	4.71	11	18.183333	31	31.75	23.781	0.4230	216.1606	-15			Ursae Majoris
172	2MASSW J1507476-162738	Brown dwarf	L5V			15	7.7948833	-16	-27.64367	23.886	0.5248	189.3976	-39.85			Librae
173	GJ 3991 (G 203-47)	PM	M3.5V		12.49687632	17	9.521232	43	40.921586	24.206	0.2499	129.2599	49.529			Herculis
174	HD 4628 (96 G. Psc) (Wolf 25)	PM	K2.5V		6.38	0	48.382939	5	16.836826	24.223	0.7965	146.5050	-10.14			Piscium
175	GJ 4248 (LHS 3746)	Border area with Piscis Austrini	M3.5		11.8	22	2.4882533	-37	-4.85145	24.261	0.5646	110.3211				Gruis
176	Gliese 831A (Wolf 922)		M4.5V		12.53142089	21	31.309484	-9	-47.44137	24.298	0.7261	92.8047	-57.7			Capricorni
177	beta Hyi (GJ 19) (HD 2151)		G0V		3.431955958	0	25.751173	-77	-15.25477	24.301	1.3051	278.3832	23.1		0.057	Hydri
178	Gliese 791.2 (HU Del)	B red dwarfs	M4.5Ve	M?	13.33833052	20	29.805299	9	41.343175	24.348	0.3938	278.6085	-26			Delphini
179	WISE J140518.39+553421.3	Brown dwarf	Y0(pec?)			14	5.3065667	55	34.356667	24.496	1.3646	84.3234				Ursae Majoris
180	BD-17 3725 Crv	Border area with Virginis	A2			12	53.978647	-18	-2.078757	24.528	0.0874	8.3856				Corvi
181	GJ 1224	Flare Star	M4.0Ve		14.24435461	18	7.5793562	-15	-57.6575	24.570	0.4104	241.0006	-34.8			Sagittarii
182	mu Cas (Marfak)	B	G5Vp	red dwarf	5.779439926	1	8.2153506	54	55.45366	24.635	2.1976	115.0429	-98.3		0.055	Cassiopeiae
183	107 Psc		K1V		5.87	1	42.499167	20	16.208333	24.778	0.4316	204.0364	-33.5	2		Piscium
184	TW PsA	65 G. Piscis Austrini. BY Dra variable, part of Fomalhaut system	K4Vp		7.07	22	56.400888	-31	-33.93392	24.787	0.2127	115.6546	7.22			Piscis Austrini
185	Gliese 514 (BD+11 2576)		M1V		9.638344703	13	29.996428	10	22.629747	24.824	0.9059	133.6045	14.386			Virginis
186	G 141-36	Border area with Ophiuchi	M5.0V			18	48.292284	7	41.352958	24.832	0.2626	303.5227	-34			Aquilae
187	GJ 4053	Flare	M4.5V		14.16835269	18	18.953874	66	11.555024	24.914	0.3610	135.5042	8.29			Draconis
188	GJ 1151 (G122-49)	PM	M7		13.67823644	11	50.964633	48	22.66	24.946	1.0558	238.0616	-15.39			Ursae Majoris
189	alpha PsA C (LP 876-10)	part of Fomalhaut system	M4.0Ve			22	48.074875	-24	-22.12871	25.004	0.2206	118.9336	6.5			Piscis Austrini
190	Gliese 109 (V* VX Ari)	Flare Star	M3.5Ve		11.17976792	2	44.249178	25	31.454941	25.026	0.5457	112.7893	30.57			Arietis
191	GJ 382 (V* An Sex)		M2V		9.805880195	10	12.294474	-3	-44.7399	25.102	0.1673	212.1206	8.04			Sextantis

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
192	alpha PsA Fomalhaut	Fom Alhout Algenubi, 18th brightest star; nearby; circumstellar disk b	A3V		1.731052641	22	57.650775	-29	-37.33417	25.130	0.2140	116.5922	-6.5	1g dust		Piscis Austrini
193	GJ 2005 (LP 881-64)	Double or multiple star	M5.5/^Ve	M8.5Ve	16.03599038	0	24.704932	-27	-9.375798	25.164	0.3547	8.7269	-35.1			Sculptoris
194	GJ 3378 (G 192-13)	PM	M4.0Ve		12.31615728	6	1.1758521	59	36.739276	25.166	0.5438	186.4455	3			Camelopardalis
195	GL 673 (HD 157881)		K7V		8.092019464	17	25.759515	2	6.8581272	25.179	0.7673	206.0708	-24.4			Ophiuchi
196	GJ 701 (HD 165222)	PM	M0V		9.920794756	18	5.1207636	-3	-1.830661	25.179	0.3838	120.2656	32.67			Serpentis
197	SIPS 1259-4336 2MASS J12590470-4336243	UCAC4 Nearby Star Candidate Aug 2014	M8 V			12	59.079483	-43	-36.40704	25.246	0.6603	103.5198	0			Centauri
198	GJ 1093	PM	M5.0Ve		15.38126459	6	59.425078	19	21.72513	25.295	0.7442	135.0950				Geminorum
199	alpha Lyr (Vega)	(variable)	A0 V		0.581769913	18	36.936433	38	46.979587	25.298	0.0350	36.0000	-13.68			Lyrae
200	WISE 1405+5534	Brown dwarf discovered in 2011	Y0 (pec?)			14	5.3045	55	21.353667	25.300	1.3272	82.7473				Ursae Majoris
201	LP 71-82 (G227-22)	PM Red dwarf	M5.0V			18	2.2767448	64	15.737315	25.356	0.2506	152.9303	-1.2			Draconis
202	ISE 0607+2429	Brown dwarf discovered in 2012	L8			6	7.6441667	24	29.891667	25.400	0.3341	234.9262				Geminorum
203	Gliese 623		M3.0Ve		10.75305432	16	24.138646	48	21.240242	25.557	0.7300	113.4376	-28.06			Herculis
204	WISE 1800+0134	Brown dwarf	L7.5			18	0.4413216	1	34.947929	25.563	0.2469	154.4341	-5.1			Ophiuchi
205	2MASS J07290002-3954043	Brown dwarf	T8			7	29.000417	-39	-54.07333	25.796	1.0113	19.0228				Puppis
206	GJ 300 LHS 1989, GL 300	Red dwarf	M3.5 V		13.22	8	12.68	-21	-33.16667	25.939	0.4038	179.2570	6.3			Puppis
207	UCAC4 236-016971	PM Red / white dwarf stars Subasavage 2005	M4.5			7	40.196786	-42	-57.67148	26.047	0.4065	43.7767				Puppis
208	GJ 1087 (EGGR 290)	White dwarf	DAP9		14.58628655	5	56.448796	5	22.653005	26.064	0.5976	204.9933				Orionis
209	GJ 257A (CD-44 3045)		M3.5V		11.97793873	6	57.7917	-44	-17.46581	26.095	0.6425	267.8491	-20.3			Puppis
210	GJ 257B		M3		12.17793873	6	57.859773	-44	-17.36545	26.095	0.6425	267.8491	-20.3			Puppis
211	G 99-47 (V1201)	White dwarf	DAP8			5	56.4245	5	21.81	26.100	0.5976	204.9933				Orionis
212	pi Ori		F6V		3.667590212	4	49.840217	6	57.676608	26.200	0.2689	271.5039	22.41		0.044	Orionis
213	GJ 9415	PM	M3V		12.81838533	12	40.771492	-43	-33.98328	26.221	0.6068	48.5882	-26.8			Centauri
214	chi 44 Dra	B (Orbit 1AU)	F7Vvar	K?	4.039033878	18	21.566667	72	43.966667	26.280	0.3705	123.5060	32		0.048	Draconis
215	GJ 486 (Wolf 437)		M3.5Ve		11.80787985	12	47.953689	9	45.151071	26.312	0.6449	245.4928	19.09			Virginis
216	GJ 1154, LTT 13408, G 13-12, LHS 2531	Flare, b	M4.5Ve		14.09308738	12	14.275826	0	37.439433	26.323	0.5786	253.5877	-12.87	1se		Virginis
217	GJ 793 (LHS 3558)	PM	M3V		11.05529395	20	30.523715	65	26.932171	26.326	0.3061	302.5993	10.6			Cephei
218	2MASSW J2148162+400359	Brown dwarf	L7			21	48.271619	40	3.988922	26.428	0.5229	300.6375	-14.52			Cygni
219	IRAS 21500+5903	PM				21	51.638657	59	17.664464	26.475	0.0465	82.4350				Cephei
220	Gliese 686 (BD+18 3421)	PM	M1.5V		10.06987861	17	37.87961	18	35.359149	26.583	0.7867	316.7367	-9.55			Herculis
221	GJ 293 (LAWD 26)	White dwarf	DQ9		14.88234266	7	53.135734	-67	-47.52301	26.624	1.2164	135.4411				Volantis
222	rho (p Eri) B		K2V			1	39.792749	-56	-11.78685	26.676	0.1799	271.9800	20.14			Eridani
223	rho (p Eri) A		K2V			1	39.796886	-56	-11.59917	26.692	0.1529	273.3445	21.59		0.016	Eridani
224	UGPS J0521+3640	Brown dwarf discovered in 2011	T8.5			5	21.4545	36	40.81	26.700	0.9261	161.2008				Aurigae
225	WISE J182831.08+265037.7	Brown dwarf	Y0			18	28.518117	26	50.628667	26.705	0.6309	276.2468				Herculis
226	L 173-19	PM				2	0.6381428	-55	-58.07705	26.762	0.0774	121.6069	1.56			Horologii

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
227	GJ 1227	PM	M4.0V		13.829304	18	22.556323	62	3.9069085	26.815	0.9067	217.4655	-18			Draconis
228	Gliese 884 (HD 217357)	PM, B	K7	vK	8.325991834	23	0.2781978	-22	-31.46928	26.817	0.5261	86.3118	16.138		0.042	Aquarii
229	Gliese 54 (CD-68 47)	Double or multiple star	M2.5 V		10.24705255	1	10.371752	-67	-26.78076	26.826	0.4098	326.0082	26		0.016	Tucanae
230	Gliese 48 (BD+70 68b)	Flare star	M3.5e		10.48546128	1	2.4832146	71	40.844474	26.832	1.0402	102.3233	1.5			Cassiopeiae
231	Gliese 518 (Wolf 489)	White dwarf	DZ9		15.08535603	13	36.746774	3	41.689107	26.900	2.2573	252.7746				Virginis
232	Gliese 747A	PM, B	M3.5 J	M5 K	12.30245235	19	7.71385	32	32.661	27.105	0.9565	312.0416	-49.3			Lyrae
233	GJ 666B (41 Ara B)	PM	M0VpCa-3Cr-1			17	19.049471	-46	-38.21977	27.109	0.5602	278.5511	25.06			Arae
234	Gliese 915 (LAWD 96)	White dwarf (White dwarf 2359-434, LHS 1005, L362-81)	DA5		13.58944013	0	2.1294929	-43	-9.39753	27.156	0.5358	138.2173	-58.8			Tucanae
235	Gliese 618A (CD-37 10765A)	PM	M3V		10.95996204	16	20.058478	-37	-31.74114	27.184	0.7179	36.8035	46.6			Scorpii
236	GJ 1289	PM	M4.5V		13.01952556	23	43.105188	36	32.218988	27.216	0.5552	99.1276	25.65		0.016	Andromedae
237	SCR1138-7721	PM	M5.0V			11	38.279583	-77	-21.80967	27.321	1.2531	73.3773				Chamaeleontis
238	GJ 102	Flare star	M3.5V		13.01149978	2	33.6187	24	55.654	27.378	0.3907	175.0450	-3			Arietis
239	mu Her	B C	G5 IV	dM3 & dM3		17	44.5	27	45	27.400	0.8100	203.0000	-14.48		0.055	Herculis
240	UCAC4 747-070768	PM				21	51.668464	59	17.580904	27.581	0.0517	257.5333				Cephei
241	GJ 3421 (G 193-27)	PM	M4.5		13.48912375	7	3.9275833	52	42.126667	27.634	0.6656	143.5308	55.86			Lyncis
242	Gliese 618B (CD-37 10765B)	PM	M5		14.50996204	16	20.11126	-37	-32.67054	27.634	0.7223	36.5838				Scorpii
243	Gliese 232 (Ross 64)	PM	M4.5		13.45590623	6	24.688081	23	25.982289	27.671	0.4361	132.7038	-12			Geminorum
244	61 Virginis (61 Vir) (HD 115617) (HIP 64924) (LHS 349)	nearby star, has three planets (b, c & d) + dust	G5V		5.09	13	18.405245	-18	-18.67186	27.710	0.8777	225.2096	-8.13	3	0.01	Virginis
245	zeta Tuc	PM nearby Sun-like star	F9.5V		4.549391764	0	20.071667	-64	-52.48333	27.806	1.1996	304.5159	9.37		0.056	Tucanae
246	GJ 1276 (EGGR 453)	White dwarf	DZ9+		16.12060798	22	53.751515	-6	-46.34554	27.810	1.4995	105.3249				Aquarii
247	GJ 1057 (V* CD Cet)		M4.5V		14.16124949	3	13.276865	4	46.449074	27.822	1.0187	272.7497	26			Ceti
248	Gliese 493.1 (Wolf 461)	Flare star	M4.5Ve		13.84599183	13	0.5586841	5	41.133388	27.891	0.5624	76.3991	-23			Virginis
249	GJ 3454 (LTT 17993)	Flare star B (G 89-32)	M4.5 V	?	14.26757507	7	36.418637	7	4.7189833	27.942	0.2309	142.9973	20			Canis Minoris
250	Gliese 185A	(HD 32450A) PM	K7V		8.807970526	5	2.4751686	-21	-15.36635	27.944	0.1537	212.8863	-11			Lupi
251	Gliese 185B	(HD 32450B) PM	M0		10.84797053	5	2.4741558	-21	-15.10054	27.944	0.1537	212.8863	-11			Lupi
252	beta CVn Chara	(Chara)	G0V			12	33.742667	41	21.448693	28.055	0.4500	67.8096	6.52			Canum Venaticorum
253	Gliese 877 (HIP 113229, LHS 531)	Red dwarf	M3V		10.72266431	22	55.798283	-75	-27.36543	28.069	0.8593	224.0942	46.6		0.016	Octantis
254	2MASS J16471580+5632057	Brown dwarf	L9pec			16	47.259567	56	32.139333	28.086	0.1707	34.4482				Orionis
255	NLTT 40406	PM	M5.5V			15	30.505465	9	26.023891	28.144	0.1495	44.1334	1.91			Serpentis
256	2MASS J20490993-4012062+B7348	UCAC4 Nearby Star Candidate Aug 2014	M			20	12.291433	-40	-12.10735	28.214	0.0299	88.1057				Microscopii
257	AP Col	Flare young star X-Ray source	M4.5V			6	4.8691455	-34	-33.5962	28.232	0.2000	355.7097	22.4			Columbae
258	GJ 1207	Flare star	M3.5V		12.37350249	16	57.095167	-4	-20.93333	28.235	0.5061	125.1442	-4.2			Ophiuchi
259	GJ 3517 (LP 666-9)	Brown dwarf	M9Ve		19.13721421	8	53.630399	-3	-29.24391	28.256	0.3223	248.9031	7			Hydrae
260	UCAC4 268-062365	PM				11	41.358685	-36	-24.57601	28.281	0.3354	302.7239				Centauri
261	HIP 31292 (L 32-8)	PM	M3V		11.79756626	6	33.792345	-75	-37.53685	28.284	0.2128	52.7912	12.2			Mensae
262	Gliese 250B (HD 50281B)	PM Red dwarf 500 AU distant from A)	M2.5V		10.39235596	6	52.329924	-5	-11.3056	28.377	0.3166	269.6504	-10.3			Monocerotis
263	Gliese 250A (HD 5028A)	PM Orange dwarf	K3V		6.892355964	6	52.306149	-5	-10.4223	28.377	0.3166	269.6504	-10.3		0.02	Monocerotis

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
264	2MASS 0036+1821	Brown dwarf metallic	L3.5			0	36.268532	18	21.171533	28.474	0.5294	277.8325	19.02			Piscium
265	LP 991-84	PM				1	39.362157	-39	-36.14951	28.479	0.1571	147.9094	29.25			Phoenicis
266	UCAC3 27-11458	PM Red & White dwarf stars Subasavage 2004	M6.0			6	30.781	-76	-43.15933	28.539	0.2651	3.0947				Mensae
267	Gliese 450 (MVV 135)	Low mass star	M1.5V		10.06944403	11	51.125528	35	16.283857	28.544	0.2168	47.1536	0.221			Leonis Minoris
268	HIP 31293 (L32-9)		M2V		10.63795019	6	33.733015	-75	-37.84005	28.566	0.2334	46.3282	11.5			Mensae
269	GJ 1103A (LP 603-1)	PM Border area to Monocerotis	M4.5V		13.78071131	7	51.910967		-0.196	28.579	0.4598	161.4046	52			Canis Minoris
270	GJ 1103B (LP 603-2)	PM Border area to Monocerotis	M D		15.28071131	7	51.911167		-0.24	28.579	0.4886	161.8239	52			Canis Minoris
271	GJ 2069 (V* CU Cnc)	B (eclipsing binary)	M5Ve		13.60452426	8	31.642835	19	24.103618	28.611	0.1583	249.5667	-2.04			Cancri
272	41 G (Gliese 666B)	Red dwarf 210 AU distant from A	M0V		8.970902117	17	18.965345	-46	-38.34062	28.659	0.6069	275.9966	25.3			Arae
273	GJ 666A (41 Ara A)	PM Suspected quadruple star system	G8V	M0VpCA	5.810902117	17	19.049237	-46	-38.19001	28.659	0.6069	275.9966	25.3			Arae
274	GJ 318	White dwarf	DA5.5			8	41.541667	-32	-56.56667	28.672	0.9905	37.3000	29.3			Pyxidis
275	GJ 745A (Ross 730)	PM border area with Vulpeculae	M2.0V		11.01193048	19	7.092745	20	53.28235	28.720	0.3445	233.8800	32.41			Sagittae
276	Gliese 849	Red dwarf, b,c gas planets	M3.5V		10.65395274	22	9.6724083	-4	-38.44413	28.768	0.6589	91.1294	-15.26	2g	0.01	Aquarii
277	Gliese 785 (HD 192310, HR 7722)	b, c planets Cooler but similar to our Sun	K2+V		6.001724444	20	15.276299	-27	-1.952146	28.780	0.7301	98.2907	-54.2	2g	0.02	Capricorni
278	53 xi UMa (Alula Australis)	B C D	G0 Ve	G0 Ve	4.241356165	11	18.1822	31	31.757333	28.781	0.4336	217.4941	-18.2		0.057	Ursae Majoris
279	53 xiD UMa 2MASS J11183876+3125441	Brown dwarf	T8.5			11	18.646195	31	25.735048	28.781	0.0039	200.8850			0.057	Ursae Majoris
280	chi 54 Ori	B	G0V	M6	4.711593478	5	54.383333	20	16.586667	28.801	0.5667	238.8000	-13.4			Orionis
281	Gliese 867A (V* FL Aqr)	B	M0Vpe		9.416854468	22	38.75469	-20	-36.86354	28.801	0.2500	98.9478	-6.1			Aquarii
282	GJ 1105	PM Border area with Persei	M3.5Ve		12.44121217	7	58.208894	41	18.322263	28.809	0.4196	162.4883	-21			Aquarii
283	GJ 183 (HD 32147)	Border area with Orionis	K3V		6.494213896	5	0.8166522	-5	-45.22034	28.827	0.7198	153.6317	21.67		0.02	Lupi
284	WISE J1217+1626	Brown dwarf	T9+Y0			12	17.9485	16	26.67	28.832	0.8650	149.2609				Comae Berenices
285	GJ 745B (Ross 3005) HD 349726	PM Border area to Vulpeculae	M2V			19	7.2200667	20	52.621	28.891	0.3401	235.3277	32.17			Sagittae
286	Gliese 465 (Ross 695)	Red dwarf PM	M2.5		11.53614862	12	24.875043	-18	-14.5375	28.898	1.4871	154.6131	51.17			Corvi
287	2MASS J03341218-4953322	PM	M9			3	34.203644	-49	-53.53355	28.924	1.4016	281.5446	71.4			Horologii
288	gamma Lep	B	F7V	dK2	3.816179577	5	44.46625	-22	-26.8492	28.932	0.4700	219.0000	-9.7		0.048	Leporis
289	gamma B Lep	BY Draconis variable	K2V			5	44.442282	-22	-25.31024	28.986	0.3826	219.0000	-9.73			Leporis
290	Gliese 867B (V* FK Aqr)	BY Draconis variable	M0Vep			22	38.759576	-20	-37.26812	28.994	0.2654	99.9814	-8.7			Aquarii
291	GJ 3707 (LP 734-32)	PM	M3.5V		12.30609011	12	10.093283	-15	-4.261	29.122	0.4148	185.2308				Corvi
292	GJ 3128 (LP 469-67)	Border area with Arietis & Ceti	M5.5V		15.85609011	2	2.2763848	10	20.478737	29.122	0.4535	240.5742	17			Piscium
293	GJ 2066 (G 113-20)	PM	M2.0V			8	16.133024	1	18.154454	29.131	0.2217	80.8820	62.21			Canis Minoris
294	GJ 4360	Flare star	M5 D		14.72661489	23	45.521333	-16	-10.33	29.384	0.3433	218.8979				Aquarii
295	LP 388-55	Brown dwarf	M7.5+L0			17	35.21615	26	34.792333	29.431	0.2150	149.9667				Herculis
296	Gliese 867B (V* FL Aqr)	A	M3.5V			22	38.755167	-20	-36.865	29.516	0.2509	98.1301	-6.1			Aquarii

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
297	delta 23 Eri Rana		K0IV		3.748382928	3	43.248348	-9	-45.80347	29.559	0.4360	7.1406	-6.28		0.016	Eridani
298	GJ 424 (V* SZ Uma)	Flare star	M2Vvar		9.515976168	11	20.080468	65	50.789163	29.572	1.7178	86.4673	60.36			Ursae Majoris
299	2MASSI J0727182+171001	Brown dwarf	T7.0			7	27.304167	17	10.02	29.581	0.7546	126.2515				Geminorum
300	GJ 4326 (G 68-5) (HD 100623)	Flare star	M2V		11.56047301	23	17.467883	19	36.781833	29.618	0.2176	104.5564	4.4		0.016	Pegasi
301	GJ 2012 (Eggr 246)	White dwarf	DQ9		14.54730266	0	41.433784	-22	-21.03821	29.651	0.3492	230.5067				Ceti
302	GJ 4247 (V* V374 Peg)	Flare Star	M3.5V		12.24773717	22	1.2187218	28	18.415217	29.661	0.2187	276.4818	-4			Pegasi
303	GJ 3146	Flare star	M5.0Ve		16.15308738	2	16.49753	13	35.213274	29.672	0.3869	130.7367	34.04			Arae
304	2MASS J06523073+4710348	Brown dwarf - On border area with Lyncis	L3.5+L6.5			6	52.512	47	10.58223	29.702	0.1033	42.0180	-7.03			Aurigae
305	2MASS J03552337+1133437	Brown dwarf Discovered in 2006	L5y			3	55.3895	11	33.7285	29.714	0.3889	160.8059	11.92			Tauri
306	Gliese 433 (CD-31-9113)	Red dwarf, b (Super Earth), c planets	M2V		10.04975709	11	35.449128	-32	-32.3974	29.734	0.4966	184.7710	17.97	1se, 1g		Hydrae
307	beta Com	PM	F9.5V		4.451709668	13	11.87323	27	52.690892	29.743	0.6933	42.2589	5.46		0.057	Comae Berenices
308	Kappa1 Cet 96	(yellow dwarf)	G5 V		5.01071545	3	19.3616	3	22.211623	29.797	0.1664	289.4135	18.8		0.055	Ceti
309	GJ 283A (LAWD 25)	White dwarf, B	DZQ6		13.24609011	7	40.346479	-17	-24.81925	29.830	0.7338	115.4824	-10			Canis Majoris
310	WISEP J213456.73-713743.6	Brown dwarf, on the border line with Pavonis	T9pec			21	34.9455	-71	-37.72667	29.863	0.7806	94.7885				Indi
311	Groombridge 1830 (HD 103095)	PM	K1V_Fe-1.5		6.61	11	52.979473	37	43.120668	29.901	4.1083	145.4728	-98.35		0.033	Ursae Majoris
312	GJ 283B	PM	M6.5Ve			7	40.320333	-17	-24.75	29.942	0.7387	115.8184				Canis Majoris
313	GJ 190	PM	M3.5V		10.45299861	5	8.5840738	-18	-10.3231	29.967	0.8657	160.2419	33.9			Leporis
314	WISE J071322.55-291751.9	Brown dwarf	Y0			7	13.375933	-29	-17.866	29.972	0.3143	139.0007				Canis Majoris
315	GJ 3325 (LP 776-46)	PM Border area to Eridani	M3V		11.85430208	5	3.3347598	-17	-22.41237	29.997	0.2916	206.8631	15.34		0.016	Lupi
316	Gliese 442A (HD 102365)	B, b PM Very wide orbit for Red dwarf B	G2.5III	M4V	5.071738292	11	46.53745	-40	-30.08007	30.041	0.9211	75.2292	17.3	1g	0.057	Centauri
317	Gliese 442B	PM	M4V		15.17173829	11	46.545	-40	-29.795	30.041	0.9200	76.0492				Centauri
318	GJ 3571	Flare star	M4.0Ve		14.00613038	9	53.920533	20	56.766833	30.058	0.3040	38.9029	31.572			Leonis
319	2MASS J17502484-0016151	Brown dwarf	L5			17	50.413509	0	16.250052	30.091	0.2582	63.5107	19			Ophiuchi
320	CFBDS J005910-011401	Brown dwarf	T8.5			0	59.1805	-1	-14.02167	30.111	0.5153	272.8500				Ceti
321	gamma Pav	PM	F9VFe-1.4CH-0.7			21	26.443414	-65	-21.97204	30.209	0.4685	354.2357	-30.7		0.044	Pavonis
322	WISEP J232519.54-410534.9	Brown dwarf	T9pec			23	25.325667	-41	-5.581667	30.223	0.2623	298.0426				Gruis
323	GJ 3801 (Ross 1015)	PM	M4V		12.17479087	13	42.721167	33	17.40592	30.231	0.4175	188.8225	6.4			Canum Venaticorum
324	2MASS J14162408+1348263	Brown dwarf	L7	T7.5		14	16.40125	13	48.436269	30.290	0.0901	326.4193	-87			Boötis
325	2MASS J00113182+5908400	PM	M6.0V			0	11.530334	59	8.6647295	30.330	0.8593	217.8195	-45.318			Cassiopeiae
326	2MASSI J0340094-672405	Brown dwarf	L7			3	40.155894	-67	-24.07341	30.414	0.3479	33.7086				Hydri
327	GJ 3817 (Ross 837)	PM	M3.5V		11.66406796	13	58.232028	12	34.731812	30.471	0.4606	24.5923				Boötis
328	2MASS J18212815+1414010	Brown dwarf, border area with Ophiuchi	L5			18	21.469297	14	14.014113	30.486	0.1950	137.3070	9.08			Herculis
329	GJ 1138	PM Border area with Ursae Majoris	M5V		13.07149978	10	49.760167	35	32.8595	30.516	0.7080	212.6192	54			Leonis Minoris
330	GJ 3135 (CD-30 731)	PM	M2.5+V		12.26914196	2	5.8092363	-30	-10.59834	30.531	0.3113	78.8287	36.9		0.016	Fornacis

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
331	GJ 176 (HD 285968)	b (25 x Earth Mass - orbital 10.24 days)	M2.5V		10.13502141	4	42.929582	18	57.489983	30.643	0.7537	149.5417	26.41	1	0.01	Tauri
332	GJ 748 (Wolf 1062)	Double or multiple star	M3.5V		11.06850347	19	12.243595	2	53.190637	30.655	1.0740	107.4661	-42.4			Aquilae
333	GJ 367 (CD-45 5378)	PM	M1:		10.15023153	9	44.497278	-45	-46.59043	30.675	0.4329	218.4372	46.96			Velorum
334	GJ 84 (BD-18 359)		M2.5		10.31529984	2	5.080751	-17	-36.87823	30.750	0.7717	97.6278	23.34			Ceti
335	GJ 595	SB	M3			15	42.109068	-19	-28.30442	30.768	1.3184	242.6569	84.92			Apodis
336	GJ 357 (LHS 2157)	PM	M2.5V		11.15462087	9	36.027288	-21	-39.64797	30.771	0.5818	172.0275	-34.58		0.016	Hydrae
337	Gliese 226	PM	M2.5V		10.63532031	6	10.33079	82	6.4053167	30.826	0.7780	177.8465	-1.62			Camelopardalis
338	2MASS J11592743-5247188	Brown dwarf	M9V			11	59.456012	-52	-47.31518	30.855	0.6260	263.0951				Centauri
339	UCAC4 379-100760	PM	M5.5V			18	5.7442274	-14	-22.70809	30.864	0.2012	85.8734				Serpentis
340	GJ 479 (CD-51 6859)	PM	M3V		10.7455408	12	37.870261	-52	-0.088691	30.879	0.6021	88.3544	3			Centauri
341	2MASS J00345157+0523050	Brown dwarf	T6.5			0	34.859617	5	23.085	30.911	0.3975	285.3625				Piscium
342	GJ 1065 (G 160-28)	PM	M3V		12.89387744	3	50.738667	-6	-5.666667	30.911	0.8406	198.1465				Eridani
343	GJ 3512 (G 234-45)	PM	M5.7		15.05433861	8	41.335482	59	29.840747	30.915	0.7597	191.5035	8			Ursae Majoris
344	GJ 3988 (LHS 3262)	PM Border line with Coronae Borealis	M5.0V		13.6700787	17	3.3975	51	24.365	30.970	0.3623	348.4194	42			Draconis
345	UCAC3 100-409084	PM				20	49.166038	-40	-12.10042	30.981	0.0398	261.8539	3.65			Microscopii
346	GJ 1123 (L 35-12)	PM	M4.5V		13.54952556	9	16.792631	-77	-49.67857	30.990	0.5978	141.7253	0			Chamaeleontis
347	GJ 3306 (EGGR 41)	White dwarf	DQ8		13.87801358	4	37.789833	-8	-49.14883	30.999	0.9151	171.1126				Eridani
348	GJ 694 (BD+43 2796)	PM	M2V			17	43.932718	43	22.716678	31.034	0.3510	179.0263	-14.27			Herculis
349	GJ 3380 (LHS 1809)		M5.0V		14.6330938	6	2.4865765	49	51.93594	31.061	0.4961	175.4788	20.69			Aurigae
350	GJ 432A (HD100623)	PM	K0V		6.082635061	11	34.491438	-32	-49.88033	31.094	0.6171	39.1802	-22.21			Hydrae
351	GJ 432B	White dwarf	DC D		15.10263506	11	34.495667	-32	-49.94333	31.144	0.5469	38.9549				Hydrae
352	BPS CS 22898-0066	UCAC4 Nearby Star Candidate Aug 2014	M			21	10.0769	-19	-20.5035	31.212	0.0747	137.3360				Capricorni
353	GJ 1253 (Wolf 1069)		M4.95		14.19906136	20	26.088367	58	34.377989	31.231	0.3505	334.3209	-68.419			Cygni
354	UCAC4 278-227158	PM				20	50.269334	-34	-24.71	31.306	0.2607	131.5018				Microscopii
355	61 UMa	PM	G8Vvar		5.41	11	41.050273	34	12.098072	31.315	0.2216	181.8879	-5.18			Ursae Majoris
356	GJ 358 (CD-40 5404)	Flare star Border area with Antliae	M3V		10.86296657	9	39.772813	-41	-4.053417	31.327	0.3704	55.8910	142			Velorum
357	2MASS J20304235+0749358	Brown dwarf	T1.5			20	30.70555	7	49.596417	31.336	0.3903	99.6115				Delphini
358	GJ 569B (BD+16 2708B)		M8.5			14	54.489333	16	6.1483333	31.451	0.1755	113.7899				Boötis
359	GJ 1125 (LHS 2149)	PM	M3.5V		11.78596021	9	30.743056		19.359418	31.490	0.4631	225.9232	46.11		0.016	Piscium
360	SCR1104-8352	PM Red & White dwarf stars Subasavage 2004	M			11	4.851	-83	-52.42	31.505	0.4400	256.7000				Octantis
361	GJ 680 (CD-48 11837)	PM	M3V		10.19937817	17	35.226944	-48	-40.85207	31.524	0.2770	351.0094	-40.6		0.042	Arae
362	2MASS J14053729+8350248	PM, Near Ursae Majoris border				14	5.6207322	83	50.412407	31.594	0.4892	48.0532				Camelopardalis
363	Gliese 803 (V* AU Mic)	By Draconis variable	M1Ve		8.822774041	20	45.158873	-31	-20.45403	31.683	0.2658	141.9760	-4.5			Microscopii
364	GJ 3112 (L 88-59)	White dwarf	DA8.1		13.36813546	1	43.017267	-67	-18.4895	31.693	0.6282	198.9988	51			Hydri
365	Gliese 436 Leo (Ross 905)	Red dwarf Old disk pop	M2.5			11	42.184887	26	42.394217	31.761	0.7038	132.2703	9.61	1e, 1g	0.28	Leonis
366	LP 655-48	PM	M7.5Ve			4	40.387936	-5	-30.13549	31.798	0.1410	291.8014	29.9			Tauri
367	2MASS J02572581-3105523	Brown dwarf	L8.5			2	57.430607	-31	-5.869841	31.826	0.4145	299.0519				Fornacis

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
368	GJ 3333 (Wolf 230)		M2V		11.32242509	5	7.8206833	17	58.9735	31.973	0.1587	167.0337			0.016	Tauri
369	GJ 51 (Wolf 47)	Flare	M5V		13.88465773	1	3.330571	62	21.93052	32.054	0.4281	276.7394	-4			Cassiopeiae
370	GJ 3253 (Wolf 227)		M5V		13.7851667	3	52.694833	17	1.095	32.076	0.4515	146.0847	28			Tauri
371	GJ 638 (HD 151288)	PM	K7.5Ve		8.160439235	16	45.105843	33	30.553565	32.095	0.2236	5.9706	-31.77			Herculis
372	CFBDS J213926+022023	Brown dwarf	L8.5+T3.5			21	39.44615	2	20.378333	32.099	0.2919	284.4047	-23.3			Aquarii
373	GJ 49 (BD+61 195)	PM	M1.5V		9.547805578	1	2.6477999	62	20.702881	32.108	0.4286	277.0709	-6.04		0.042	Cassiopeiae
374	UCAC3 133-99469	PM				8	15.186611	-23	-44.26075	32.175	0.0751	299.8161				Puppis
375	12 Oph	By Draconis variable	K1V		5.79874128	16	36.357488	-2	-19.00471	32.318	0.3208	124.1203	-13		0.033	Ophiuchi
376	GJ 1256 (LHS 495)	PM	M4.5V		13.46446854	20	40.560667	15	29.953333	32.321	0.8607	296.4958	-59			Delphini
377	GJ 172 (HD 232979)	Flare star Border line with Persei	M0,5V		8.568787698	4	37.682179	52	53.616851	32.328	0.3281	147.3859	34.066			Camelopardalis
378	GJ 1230A	Flare star	M4.5V		13.06769454	18	41.121919	24	47.033348	32.346	0.2983	279.7752	-9			Herculis
379	2MASS J05102012+2714032	PM	M7V			5	10.335333	27	14.053333	32.354	0.3878	198.8155	-31			Tauri
380	GJ 569A (BD+16 2708)		M2Ve		10.24108401	14	54.487266	16	6.063314	32.360	0.1764	112.8932	-7.456			Boötis
381	GJ 1230 B	Brown dwarf	M4.5Ve			18	41.163328	24	47.32679	32.360	0.2921	276.5594	-9			Herculis
382	LHS 5264 2MASS J14035157-4241528	PM				14	3.8591038	-42	-41.88343	32.381	0.2779	232.5915				Centauri
383	GJ 3855	Flare star Border area with Ursae Majoris	M6.5V		17.95050161	14	30.629835	59	43.414492	32.486	0.4789	78.9874	-7			Draconis
384	GJ 239 (HD 260655)		M0Ve		9.664254802	6	37.179982	17	33.888907	32.607	0.4863	66.1619	-58.18			Geminorum
385	GJ 609	PM Border area with Serpentis	M4V		12.54693192	16	2.8490733	20	35.350504	32.611	0.9137	217.7284	3			Herculis
386	GJ 1028 (G 268-110)		M 5		14.46	1	4.89475	-18	-7.488167	32.645	0.8077	290.6671				Ceti
387	HIP 76362 (CPD-79 845)	PM	K1 III		11.64782744	15	35.794012	-80	-12.13819	32.649	0.0022	19.6273	20.19			Apodis
388	GJ 75 (HD 10780)		K0V		5.63520529	1	47.747227	63	51.150122	32.719	0.3677	112.9309	2.64		0.016	Cassiopeiae
389	LHS 2232 2MASS J10123481+5703495	PM	M3.5Ve			10	12.579647	57	3.8164586	32.774	0.3693	212.8542				Ursae Majoris
390	APMPM J0237-5928	PM	M4.5V			2	36.540994	-59	-28.09242	32.800	0.4276	308.5233	112.86			Horologii
391	GJ 688 (HD 160346)		K3V		6.370804215	17	39.282191	3	33.315424	32.863	0.1275	242.6540	17.856		0.02	Ophiuchi
392	GJ 1119	Flare star Border line with Lyncis	M4.5V			9	0.5412742	46	35.184993	32.866	0.4105	222.0738	23.92			Ursae Majoris
393	HIP 117828 (CD-76 1182) (HD 223889)	PM	Ma E		9.955637426	23	53.835217	-75	-37.95198	32.956	0.2623	147.2516	-9.63			Octantis
394	HIP 68184 (HD 122064)	PM	K3V		6.467517851	13	57.534949	61	29.540118	32.956	0.1275	9.2099	-26.543		0.02	Ursae Majoris
395	GJ 678.1A (BD+05 3409)	PM	M1V		9.303688369	17	30.378514	5	32.94741	32.959	0.1460	173.1729	-12.51			Ophiuchi
396	GJ 3039	Flare star	M3Ve		12.37249226	0	32.579987	7	29.449283	32.976	0.0685	123.0157	-2.9			Piscium
397	GJ 22A (BD+66 34A)	PM Border area with Cephei	M2.5Ve		10.35246561	0	32.490562	67	14.140167	33.033	1.0231	98.0679				Cassiopeiae
398	GJ 22B (FB+66 34B)	PM Border area with Cephei	M3V		12.37246561	0	32.496667	67	14.073333	33.033	1.0087	100.4674				Cassiopeiae
399	WISE J081117.81-805141.3	Brown dwarf	T9.5:			8	11.296833	-80	-51.68833	33.076	0.1707	99.9921				Chamaeleontis
400	GJ 568A (Ross 52A)		M3V		12.14236027	14	53.865071	23	33.331025	33.110	0.3993	81.0220	-36.2			Boötis
401	GJ 568B (Ross 52B)		M?		12.65236027	14	53.910384	23	33.268837	33.110	0.3993	81.0220	-36.2			Boötis
402	GJ 453 (HD 103932)	PM	K4V		6.939672749	11	57.936773	-27	-42.42274	33.180	0.7253	240.1187	48.605		0.042	Centauri
403	GJ 660A (HIP 84123A)	B	M3V			17	11.870895	-1	-51.10538	33.181	0.3733	239.6360	-3.1		0.057	Ophiuchi

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
404	UCAC4 175-092532	PM Red & White dwarf stars Subasavage 2004	M?			12	45.875381	-55	-6.835657	33.184	0.2191	111.3405	4.62			Centauri
405	GJ 3326	Flare star	M5V		13.0666143	5	4.24597	11	3.3977336	33.194	0.1152	19.1671	-17.992			Orionis
406	HIP 50798 (CD-47 5825B)		K0 III		11.44989395	10	22.331245	-47	-58.36868	33.224	0.1622	271.5989	-70.603			Velorum
407	Gliese 203 (Ross 41)		M3.5Ve		12.78424437	5	28.004424	9	38.746459	33.252	0.4555	194.0673	59.2			Orionis
408	2MASS J04195212+4233304	PM	M8/9V			4	19.868872	42	33.507103	33.262	0.8933	159.9038	18			Persei
409	GJ 487 (V* DP Dra)		M3V		10.85923027	12	49.056385	66	6.6264438	33.275	0.2604	256.3534	-17			Draconis
410	alpha (alf Men)	PM	G7V		5.04806279	6	10.241235	-74	-45.18273	33.279	0.1421	150.2545	36.15		0.055	Mensae
411	GJ 3049 (LHS 1134)	PM	M3		13.12160687	0	43.433376	-41	-17.56712	33.337	0.4422	219.9957	-150.432			Phoenicis
412	LHS 5341 2MASS J18430697-5436481	PM	M?			18	43.116239	-54	-36.80611	33.361	0.2975	195.5777				Telescopii
413	GJ 1083 (V* V780 Tau)		M7V		14.77713237	5	40.428433	24	48.150333	33.381	0.2274	164.1150	21			Tauri
414	GJ 1232 (G 142-11)	PM Border area with Aquilae	M4V		13.37637924	19	9.8496667	17	40.124167	33.450	0.4458	236.2270	-13			Sagittae
415	GJ 339.1 (EGGR 250)	White dwarf	DCP7		13.77713237	9	15.937167	53	25.415	33.468	0.9126	224.0701				Ursae Majoris
416	GJ 1134 (LHS 287)		M4.0Ve		12.89587536	10	41.634983	37	36.663	33.692	0.8763	255.6224	34.65			Leonis Minoris
417	ULAS J133553.45+113005.2	Brown dwarf	T8.5			13	35.890833	11	30.086667	33.692	0.1640	220.5713				Virginis
418	beta Gem Pollux		K0III var		1.068030415	7	45.323333	28	0.0225	33.715	0.3650	265.8000	3.3		0.016	Geminorum
419	SCR J0533-4257	PM, border area with Columbae	M4.5			5	33.467251	-42	-57.34254	33.716	0.0252	23.9889	-3.9			Pictoris
420	GJ 117 (HD 17925)	variable of the RS CVn type	K1V		5.948807801	2	52.53547	-12	-46.18284	33.748	0.2560	115.4518	17.77		0.006	Eridani
421	LSPM J0539+4038	PM	M8			5	39.4124	40	38.729167	33.762	0.6102	142.0484	10			Aurigae
422	GJ 3147 (LP 245-10)	Flare	M7V		15.91488563	2	17.165533	35	26.550333	33.797	0.3512	113.0000	11.07			Trianguli
423	GJ 649 (BD+25 3173)	PM	M2V		9.581618885	16	58.147493	25	44.64955	33.804	0.3031	192.7862	4.38			Herculis
424	Gliese 50800B (HD 115953B)	PM	M2V		9.720610414	13	19.749483	47	46.645824	33.831	0.0801	101.3099				Canum Venaticorum
425	Gliese 50800A (HD 115953A)	PM	K0		8.860610414	13	19.759615	47	46.684302	33.831	0.0801	101.3099			0.016	Canum Venaticorum
426	GJ 1277 (LHS 532)	PM	M4.5		13.85121255	22	56.411244	-60	-3.820802	33.859	0.5935	206.6153	68			Tucanae
427	GJ 275.2 A (G 107-69)	PM	M4V		13.24508054	7	30.713333	48	12	33.867	0.7486	190.0699	-21.95			Lyncis
428	Gliese 127.1A (CPD-69 177)	White dwarf	DA3.0		11.36718115	3	10.517003	-68	-36.05636	33.878	0.0643	159.0782	33.8			Hydrae
429	LP 848-50	PM				10	42.689361	-24	-16.06836	33.885	0.0941	345.3998				Hydrae
430	LSPM J2044+1517	PM				20	44.624673	15	17.579608	33.906	0.1984	117.0619				Delphini
431	2MASS J12373919+6526148	Brown dwarf	T6.5			12	37.653267	65	26.246833	33.913	0.6581	242.3476				Draconis
432	EQ J1542+2230	Brown dwarf	T9.5			15	42.233333	22	30.086667	33.938						Serpentis
433	GJ 1265 (LHS 3776)	PM	M4		13.47682755	22	13.713	-17	-41.13667	33.938	0.5242	109.5811	24			Aquarii
434	J 536 (HD 122303)	PM	M0V		9.661883799	14	1.053135	-2	-39.29198	33.941	0.5931	54.0553	-25.646		0.042	Virginis
435	GJ 3459 (LP 783-1)	PM	M3		11.5224767	7	38.682673	-21	-13.47463	33.994	0.3836	136.1638	-28.83			Puppis
436	LP 852-7	White dwarf	DA5.7			12	5.4445662	-23	-33.20234	33.994	0.1341	349.5559	-13.2			Corvi
437	2MUCD 10802	Brown dwarf	L8			9	8.6335274	50	32.136964	34.001	0.3657	221.4631	-3			Ursae Majoris
438	GJ 654 (HD 154363B)	PM	M1.5V		9.843962215	17	5.2296615	-5	-5.65415	34.066	0.8458	218.8666	34.44			Ophiuchi
439	GJ 341 (HD 304636)	PM	M0		9.397058913	9	21.62669	-60	-16.91718	34.070	0.5001	77.7710	35.8			Carinae
440	GJ 3976		M5V		14.08	16	50.965613	22	27.094377	34.094	0.2339	354.7760	-46			Herculis
441	GJ 6530 (HD 154363)	PM	K4/5V		7.571947709	17	5.0565785	-5	-3.990621	34.097	0.8505	218.8287	34.04		0.042	Ophiuchi
442	LHS 5156	PM	M4.5V			9	42.826653	-63	-37.93124	34.162	0.2981	277.0367				Volantis

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
443	LHS 2395	PM				11	19.510169	46	41.718934	34.180	0.3969	153.1436				Ursae Majoris
444	2MASS J03304890+5413551	PM, Border area with Persei	M7V			3	30.814844	54	13.91934	34.190	0.0886	268.5928	2			Camelopardalis
445	GJ 754.1A (LAWD 74)	White dwarf	DBQA5			19	20.58205	-7	-40.00111	34.205	0.1006	200.7464				Aquilae
446	GJ 754.1B (L 923-22) (2MASS J19203346-0739435)	PM	M5V		11.86890104	19	20.557642	-7	-39.72928	34.230	0.1112	201.6020	55.79			Aquilae
447	GJ537 (BD+47 2112)	B, Near border areas of Boötis & Ursae Majoris	M2V	M2.5V	9.59938852	14	2.553	46	20.398333	34.231	0.3688	93.0745	-31			Canum Venaticorum
448	GJ 87 (BD+02 348)	PM	M1V		9.977680408	2	12.349791	3	34.537176	34.236	1.4877	223.5694	-2.99			Ceti
449	iota Per IotPer	PM	G0V		3.937017404	3	9.0670029	49	36.796578	34.238	0.7359	94.1088	49.22		0.057	Persei
450	GJ 47 (Wolf 44)	PM	M2.0Ve		10.65835986	1	1.334151	61	21.944699	34.262	0.5172	155.9289	6.84			Cassiopeiae
451	GJ 373 (BD+63 869)	PM	M0.5V		8.897741874	9	56.14452	62	47.307794	34.317	0.3828	207.5188	15.384			Ursae Majoris
452	GJ 3125 (LP 30-55)	Flare star	M4.5Ve		14.00861803	2	1.90117	73	32.534167	34.333	0.1710	111.3959				Cassiopeiae
453	GJ 352B (Ross 440B)		M?		10.68747485	9	31.28331	-13	-29.30129	34.351	0.4075	278.5956	9.2			Hydrae
454	GJ 352A (Ross 440A)		M2		10.69747485	9	31.316641	-13	-29.33002	34.351	0.4075	278.5956	9.2			Hydrae
455	GJ 46 (HD 209290)		M),5V		9.113410899	22	2.1712529	1	24.013836	34.388	0.3091	238.3775	18.144			Aquarii
456	2MASSW J1047539+212423	Brown dwarf	T6.5			10	47.8975	21	24.391667	34.392	1.0369	254.0767				Leonis
457	GJ 4154 (L23-30)		M2.5		10.98813546	20	46.611723	-81	-43.2125	34.396	0.0179	1.8657	970.063			Octantis
458	GJ 4333 (LHS 543)	PM	M3.5Ve		11.57405805	23	21.62414	17	17.423201	34.422	0.8628	201.2170	-6.51			Pegasi
459	2MASS J00501994-3322402	Brown dwarf	T7			0	50.3324	-33	-22.67117	34.440	0.8727	306.8699				Sculptoris
460	GJ 3119	Flare star On border line with Apodis	M4.5Ve		14.6	1	51.068344	-6	-7.083193	34.480	0.3534	116.0590	21.2			Muscae
461	LP 775-31	PM	M8Ve			4	35.269123	-16	-6.954233	34.480	0.2014	332.1027	48.5			Eridani
462	2MASS J05591914-1404488	Brown dwarf	T4.5			5	59.319808	-14	-4.820256	34.505	0.3855	120.6281				Leporis
463	LP 647-13	PM	M9Ve			1	9.8533719	-3	-43.43985	34.513	0.2165	271.3439	-7			Ceti
464	GJ 1235 (LHS 476)		M4.0V		13.34497549	19	21.644981	20	52.054503	34.587	1.0108	213.0823	3			Vulpeculae
465	GJ 1236 (LHS 3457)	PM	M4V		12.15710547	19	22.03451	7	2.5052372	34.588	0.5023	238.9856	18			Aquilae
466	LHS 5303	PM	M6.0V			15	52.743524	-26	-23.2285	34.601	0.2908	154.9506	12			Scorpii
467	LP 867-15	PM	M3.5			18	42.184921	-23	-28.97724	34.604	0.1761	143.2431				Sagittarii
468	L 98-59	PM				8	18.127025	-68	-18.77999	34.608	0.2056	164.4459	-5.83			Volantis
469	GJ 1238 (LHS 3561)	PM	M6V		15.15803644	19	24.271763	75	33.197395	34.632	0.4062	328.0358	-8.4			Draconis
470	G 107-48 2MASS J07073776+4841138	PM	M3.5			7	7.6291987	48	41.225199	34.660	0.1781	186.3749	-24.14			Lyncis
471	WISE J014656.66+423410.0	Brown dwarf	Y0			1	46.944467	42	34.1675	34.660	0.2651	266.9806				Andromedae
472	Gliese 488 (HD 111631)	PM	M0V		8.326569591	12	50.726113	0	46.087784	34.704	0.2484	184.3001	4.921			Orionis
473	2MASS J0825196+211552	Brown dwarf	L7.5V			8	25.328083	21	15.868667	34.733	0.4362	251.0093	66			Cancri
474	GJ 1050	PM	M2.5		10.84771968	2	39.844433	-34	-7.929167	34.756	1.0105	162.4998	-71			Fornacis
475	HIP 109119 (BD+09 4984B)		A2		10.06124568	22	6.197031	10	5.479545	34.769	0.0047	253.1291				Pegasi
476	SCR J0821-6703	White dwarf	DA10.0			8	21.445024	-67	-3.333726	34.778	0.4482	31.0404				Volantis
477	2MASSI J0243137-245329	Brown dwarf	T6.0			2	43.228667	-24	-53.49667	34.800	0.2067	234.1623				Puppis
478	GJ 799 (V* AT Mic) (system center)	PM	M4.5V	M4.5V		20	41.852654	-32	-26.11381	34.845	0.2646	143.5081	-4			Microscopii
479	TVLM 513-46	Brown dwarf	M8.5V			15	1.136453	22	50.035341	34.864	0.0451	214.3673	6			Boötis
480	HD 147379 (HIP 79755)		M1-Ve		10.56568117	16	16.712437	67	14.330533	34.976	0.2938	80.4221	-18.96			Draconis

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
481	GJ 431 (V* V857 Cen)	Flare Star	M3.5		11.41910715	11	31.77522	-41	-2.786204	35.005	0.4290	76.6010	20.4			Centauri
482	WISE 0647-6232	Brown dwarf discovered in 2013 Very cold 350 K M<0.08solMass	Y1			6	47.387117	-62	-32.6624	35.032	0.2141	0.0000	0			Pictoris
483	GJ 669A (Ross 868)	M4.5V, B (Ross 867)	DM5 e		12.56565207	17	19.882759	26	30.044388	35.044	0.2450	32.4760	-34.6			Herculis
484	V* EW Dra	Variable of the BY Dra type	M3.0Ve			16	16.755248	67	15.374631	35.070	0.2859	79.5326	-18.54			Draconis
485	1RXS J121408.0-234516	PM	M4.5			12	14.144631	-23	-45.28189	35.108	0.0554	332.3872	-4.72			Corvi
486	GJ 413.1 (CD-23 9765)	On borderline with Hydrae	M2V		10.29545107	11	9.5224169	-24	-35.91864	35.115	0.5317	240.7377	-3.83			Crateris
487	GJ 86B (HD 13445B)		K1.5V		5.930188433	2	10.432463	-50	-49.42537	35.130	1.2814	286.9446	57			Eridani
488	GJ 86 (HD 13445)	B, b	K1 .5V	D?	5.95	2	10.426667	-50	-49.46667	35.144	1.2906	286.7150	55.23	1g	0.016	Eridani
489	GJ 9492 (G 239-25) (LTT 14363)	Brown dwarf	L0		10.8589045	14	42.3675	66	3.3416667	35.176	0.1842	259.2580				Ursae Minoris
490	GJ 4070 (Ross 145)	PM	M2V		10.99586523	18	41.983928	31	49.82936	35.188	0.1747	88.4055	-31.76			Lyrae
491	GJ 909B (HD 223778B)		M		11.53493013	23	52.438333	75	32.666667	35.192	0.1999	276.9386	4.6		0.02	Cephei
492	GJ 909B (HD 223778B) (HIP 117712B)		M3V		6.234930126	23	52.423445	75	32.67281	35.192	0.1999	276.9386	4.6			Cephei
493	zeta Her	B	G0 IV	dK0	2.8	16	41.286	31	36.163333	35.200	0.3358	53.2810	-69.9		0.057	Herculis
494	UCAC4 444-118477	PM	M5.0V			20	9.3041222	-1	-13.63862	35.214	0.2189	186.6589	-22.87			Aquilae
495	GJ 3820	Flare Star	M4.5V		13.24609011	13	59.173507	-19	-50.06102	35.248	0.4343	251.6585	-15.8		0.033	Virginis
496	GJ 3412 (G 250-29)	Border area with Camelopardalis	M3.0Ve	?	10.92610123	6	54.072512	60	52.302828	35.275	0.6407	153.3936	-35.5			Lyncis
497	WISE J210200.15-442919.5	Brown dwarf, border line with Indi	T9			21	2.0025	-44	-29.325	35.298	0.2076	172.9985				Microscopii
498	2MASS J22282889-4310262	Brown dwarf	T6.5			22	28.481567	-43	-10.43783	35.375	0.1779	170.2634				Gruis
499	GJ 553.1 (Wolf 1478)	PM	M3.5		11.68541422	14	31.019342	-12	-17.7658	35.386	0.3320	225.6410	-1.76			Librae
500	GJ 3182 (EGGR 473)	White dwarf	DAZ9		15.25385867	2	48.607149	54	23.374396	35.400	0.3330	227.7052				Persei
501	GJ 1004 (EGGR 381)	White dwarf	DA7.6		14.14803644	0	12.245751	50	25.345594	35.420	0.4184	219.9082				Cassiopeiae
502	GJ 4063	Brown dwarf	M4V		11.88710843	18	34.610865	40	7.4396978	35.471	0.1246	164.3692	12.62			Lyrae
503	L 34-26	PM, on border line with Mensae	M3Ve			7	49.211293	-76	-42.11183	35.479	0.1271	207.8232	1.23			Chamaeleontis
504	GJ 170 (Ross 594)	By Draconis variable	M5V		13.81909304	4	30.421524	39	50.990477	35.490	0.3698	154.7653	10.58			Persei
505	HD 223778 (HIP 117712)	SB	K3V			23	52.423445	75	32.67281	35.537	0.1999	276.9386	4.6			Cephei
506	GJ 228B (BD+10 1032A)		M3Ve		12.33703778	6	10.913398	10	19.083243	35.548	0.5435	176.1356	54			Orionis
507	beta (5Bet Vir) Zavijava	(Zavijava)	F8V		3.422793679	11	50.688102	1	45.922623	35.553	0.4585	110.0689	4.1		0.053	Virginis
508	LP 851-346	PM, on border line with Corvi	M7.5V			11	55.714189	-22	-24.97989	35.568	0.2434	243.3759	-13.1			Crateris
509	GJ 4071 (V* V816 Her)	Flare	M5V		12.72135617	18	42.749644	13	54.278809	35.634	0.2069	5.0107	-55.79			Herculis
510	GJ 1206 (V* DN Dra)	White dwarf	DA4.0		12.02830685	16	48.427202	59	3.3777234	35.640	0.1895	156.1853	41.6			Draconis
511	GJ 519 (BD+36 2393)	PM	K7.5Ve		8.85232023	13	37.479477	35	43.065746	35.703	0.1892	100.3982	-14.937			Canum Venaticorum
512	2MASS J15345704-1418486	Brown dwarf	M8.6V			15	34.950667	-14	-18.811	35.712	0.5821	250.9856	-71			Librae
513	Gliese 145 (CD-45 1184)	PM	M2.5V		11.30011896	3	32.935217	-44	-42.13623	35.728	0.1972	66.7427	12.7			Horologii
514	LHS 2597	PM	M:			12	39.607277	-26	-58.18272	35.759	0.3578	252.1565				Centauri
515	GJ 505A (HD 115404A)		K2V		6.338657262	13	16.8508	17	1.0323333	35.760	0.3930	112.5448	8.5		0.033	Comae Berenices
516	GJ 505B (HD 115404B)		M1 V		9.348657262	13	16.85923	17	0.9982135	35.760	0.4081	112.1084	7.1			Comae Berenices

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
517	WISE J014807.25-720258.7	Brown dwarf	T9.5			1	48.120833	-72	-2.978333	35.763	0.6448	93.7763				Hydri
518	GJ 3849 (LP 271-25)	Brown dwarf (M<0.08 solMass)	M9Ve		19.62861803	14	28.720454	33	10.654096	35.804	0.4597	206.0272	-72			Boötis
519	beta Leo Denebola	B ?	A3Vvar	Blue dwarf	1.915069515	11	49.059639	14	34.323483	35.838	0.3562	192.8000	-0.2			Leonis
520	2MASS J16241436+0029158	Brown dwarf	T6V			16	24.23945	0	29.263667	35.842	0.2171	268.6178				Arietis
521	delta Tri (GJ 92) (HD 13974)	B	G0V	K4 V	4.693654605	2	17.053923	34	13.454057	35.861	0.6831	102.1473	-6.57		0.057	Trianguli
522	GJ 1129 (L 750-52)	PM	M3.5Ve		12.55613038	9	44.789126	-18	-12.81604	35.873	0.9362	263.8740	9			Hydrae
523	GJ 438 (CD-51 5974)	PM	K0		10.73773481	11	43.330328	-51	-50.43214	35.881	0.4935	129.5045	3.21		0.016	Centauri
524	WDS J12172-0311AB	Brown dwarf	T7.5			12	17.18505	-3	-11.2195	35.881	0.6148	85.8758				Virginis
525	GJ 836.5 (EGGR 148)	White dwarf	DQ6		12.74456534	21	42.683438	20	59.968733	35.943	0.3999	199.0771				Pegasi
526	GJ 79 (HD 11507)	Flare star Border area with Fornacis	M0V		8.675310348	1	52.819551	-22	-26.0915	36.030	0.4917	90.0950	12.06		0.042	Ceti
527	GJ 2036 (CD-56 1032)	Flare Star, B	M3Ve	M4Ve	12.03861803	4	53.509088	-55	-51.52775	36.132	0.0942	295.4402	31.59			Doradus
528	CD-44 836A (CPO 29)	PM	M4			2	45.178762	-43	-44.53389	36.136	0.2265	175.3055				Eridani
529	GJ 706 (HD 166620)	PM Border area with Lyrae	K2V		6.173864948	18	9.6236047	38	27.466599	36.149	0.3288	214.0593	-19.473		0.033	Herculis
530	GJ 1148 (Ross 1003)	PM	M4.0Ve		11.68707857	11	41.743892	42	45.118465	36.176	0.3407	261.2381	-9.1			Ursae Majoris
531	GJ 740 (HD 176029)	PM On border line with Serpentis	M1.0Ve		8.991695043	18	58.00227	5	54.48731	36.181	0.7192	189.1372	9.86			Aquilae
532	DENIS J083802.2-585558	PM	M6.0			8	38.036193	-58	-55.97332	36.184	0.1884	191.0068				Carinae
533	54B Psc	Brown dwarf	T7.5			0	39.315167	21	15.28	36.188	0.3443	231.1875				Piscium
534	GJ 2036B, C (CD-56 1032B)		M3Ve	M4Ve		4	53.52014	-55	-51.61862	36.192	0.0890	298.3802	40.1			Doradus
535	UPM 0815-2344	UCAC4 Nearby Star Candidate Aug 2014	M			8	3.79664	-23	-44.2607	36.196	0.0710	302.9609				Puppis
536	GJ 3069	Flare star	M5		14.21771968	1	1.9915609	54	10.961852	36.226	0.1892	248.9174	20.868			Cassiopeiae
537	GJ 735 (MCC 188)		M3Ve		9.78929899	18	55.456831	8	24.15051	36.281	0.0668	126.9325	-13.49			Aquilae
538	54 Piscium (54 Psc) (HD 3651) (HIP 3093)	Orange dwarf, b	K0.5V	T7.5V	5.65	0	39.368167	21	15.081667	36.285	0.3443	231.3274	-33.28	2	0.3	Piscium
539	theta 12 Per (GJ 107A)	PM	F7V		3.877681867	2	44.199802	49	13.70704	36.323	0.2011	105.0458	24.32		0.048	Persei
540	GJ 325A (HD 75632)	B	K5 V	K6 V	8.432261325	8	55.41365	70	47.652667	36.402	0.8201	254.5470	45.3		0.042	Ursae Majoris
541	gamma 41 Ser	PM	F6IV		3.619281491	15	56.453051	15	39.69649	36.419	0.7671	166.3624	6.78		0.044	Serpentis
542	GJ 320 (HD 74576)	PM	K3V		6.325898005	8	43.300507	-38	-52.94283	36.444	0.2643	41.5217	12.84		0.033	Velorum
543	GJ 1088	Border area with Columbae	M3.5		11.69530632	6	10.881269	-43	-24.29425	36.447	0.4337	349.8832	82.68			Pictoris
544	SCR0130-0532	PM red / white dwarf stars Subasavage 2005	M			1	30.730333	-5	-32.36833	36.457	0.5520	118.2000				Ceti
545	theta 12 Per B (GJ 107)	PM	M1.5V	M1V		2	44.171118	49	13.900053	36.488	0.1880	100.8627	25			Persei
546	11 LMi	Variable of RS CVn type	G8IV-V		5.167901725	9	35.658363	35	48.608068	36.501	0.4485	250.4058	14.4			Leonis Minoris
547	11 LMi B	Red dwarf	M5V			9	35.666167	35	48.651667	36.501	0.4336	251.0546	13.4			Leonis Minoris
548	GJ 3668 (LP 732-35)		M5		13.75047301	11	31.1393	-14	-57.33583	36.508	0.8321	163.5962	101.486			Crateris
549	GJ 3804 (L 762-51)		M3.5		11.57574065	13	45.84525	-17	-58.0935	36.514	0.3678	209.0813	4.97			Virginis
550	UCAC4 608-044702	PM	M3.5Ve			8	40.26639	31	27.113574	36.521	0.1385	300.2788	115.86			Cancri
551	GJ 852A (Wolf 1561) Flare star	B	M4.5	M5V	13.35834504	22	17.311619	-8	-48.32176	36.525	0.2842	243.3143	37.72			Aquarii
552	L 136-37	PM				7	20.867276	-62	-10.19319	36.525	0.2012	55.7468	36.09			Carinae

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
553	GJ 585 (Ross 508)		M4.92		13.3296478	15	23.852289	17	27.957253	36.535	0.7670	197.3047	34			Serpentis
554	GJ 173 (BD-11 916)	PM	M1V		10.13675479	4	37.697764	-11	-2.332839	36.537	0.1745	229.1748	-6.77			Eridani
555	GJ 1086 (EGGR 248)	White dwarf	DQP8		14.3332429	5	51.324696		-10.3518	36.537	0.1474	333.5785				Orionis
556	GJ 169 (HD 28343)	Flare star	M0.5V		7.97183523	4	29.002062	21	55.361984	36.622	0.1088	21.0235	-35.406			Tauri
557	GJ 3959	Flare Star	M6V		14.79	16	31.318179	40	51.584671	36.664	0.1968	25.0914	-21			Herculis
558	2MASS J16452211-1319516	Brown dwarf	L1			16	45.3682	-13	-19.87104	36.681	0.5153	204.1342	27			Ophiuchi
559	GJ 4281 (LP 760-3)	Flare Star	M6.5		16.95657756	22	28.906683	-13	-25.29767	36.689	0.7110	209.0819				Aquarii
560	2MASS J17185456-4131395	PM				17	18.909182	-41	-31.66809	36.693	0.6748	123.7860				Scorpii
561	alpha Boö (Arcturus)	(red giant variable)	K2IIIp		-0.356712839	14	15.661667	19	0.933333	36.709	2.2900	209.0000	-4.83		0.033	Boötis
562	GJ 3967	Flare star	M5V		13.44425729	16	40.099739	0	42.3142	36.722	0.1374	131.9863	21.63			Arietis
563	GJ 3028 (LP 292-67)	PM	M5.5V		15.5627339	0	20.487067	33	5.1365	36.731	0.8076	128.5954				Trianguli
564	GJ 370 (HD 85512)	b	K6Vk:			9	51.117534	-43	-30.16703	36.764	0.3840	135.6484	-9.51	1 Super Earth	0.4	Velorum
565	GJ 70 (LHS 1290)	PM	M2V		10.67353154	1	43.336313	4	19.29937	36.881	0.5084	208.8867	-25.88			Piscium
566	HIP 48659 (LP 847-48)	PM border area to Hydri	M3V		11.74407604	9	55.398833	-27	-15.65588	36.889	0.1064	214.3018	5.606			Antliae
567	2MASSW J2224438-015852	Brown dwarf	L4.5V			22	24.73025	-1	-58.869	36.981	0.5643	149.9987	-36.48			Aquarii
568	2MASSI J1546271-332511	Brown dwarf	T5.7			15	46.453167	-33	-25.18667	37.023	0.1310	327.5093				Lupi
569	GJ 4049 (LHS 461)	Border line with Herculis	M4V		13.25241336	18	18.057667	38	46.6	37.023	0.6401	198.8796	1			Lyrae
570	LHS 462, Border area with Herculis	PM	M3V			18	18.071333	38	46.57	37.023	0.6401	198.8796	2.1			Lyrae
571	GJ 567 (V* DE Boö)		K0.5V		5.709845015	14	53.395996	19	9.166867	37.060	0.2842	63.1576	-29.82		0.033	Boötis
572	2MASS J18283572-4849046	Brown dwarf	T5.5			18	28.595383	-48	-49.07733	37.065	0.1458	290.6256				Telescopii
573	LP 938-71	Brown dwarf	M8.0V			1	2.8508489	-37	-37.72953	37.078	0.8677	279.6960	-5			Sculptoris
574	GJ 772 (LAWD 79)	White dwarf	DA6.4		13.37501576	19	56.487667	-1	-2.528333	37.107	0.4811	212.3065	76			Aquilae
575	eta Boö Muphrid		G0IV		2.406604204	13	54.68527	18	23.915245	37.128	0.2103	189.7075	0.7		0.057	Boötis
576	HIP 29052 (LP 838-16)	PM			11.58351184	6	7.7309364	-25	-44.66211	37.162	0.1597	222.3557	13.64			Leporis
577	J 208 (V* V2689 Ori)		K6V		8.519944375	5	36.516507	11	19.6722	37.260	0.0330	182.7813	21.772			Orionis
578	GJ 3417	Flare star	M4.5V		14.20294855	6	57.951982	62	19.322767	37.277	0.3462	147.1352	10			Camelopardalis
579	GJ 9520 (V* OT Ser)	variable BY Dra type	M1.0V		9.827225245	15	21.881357	20	58.646515	37.286	0.0883	327.5442	6.7			Serpentis
580	UCAC3 203-28522	PM	M4.0V			5	36.641033	11	17.813048	37.290	0.0355	183.3079				Orionis
581	GJ 902 (HD 222237)	PM	K3V		6.785493115	23	39.623119	-72	-43.32929	37.307	0.4367	168.9567	69.69		0.02	Tucanae
582	GJ 1187	Flare star	M5.5V		15.28668759	14	57.895538	56	39.407804	37.354	0.4100	156.5746	5			Draconis
583	WISE J222055.31-362817.4	Brown dwarf	Y0			22	20.922	-36	-28.29167	37.362	0.1733	108.0092				Gruis
584	TYC 3251-1875-1	UCAC4 Nearby Star Candidate Aug 2014	M			0	15.650643	47	35.366226	37.422	0.0473	254.7412				Andromedae
585	RX J0713.1-0511	PM	M3Ve			7	13.187028	-5	-11.81029	37.435	0.1791	184.2316	-8.31			Monocerotis
586	GJ 1053 (LHS 18)	PM	M6		14.23277265	3	10.977	73	46.315	37.448	1.2390	120.6592				Cassiopeiae
587	Gliese 2 (BD+44 4548)	PM	M2Ve		9.627097017	0	5.1814863	45	47.193992	37.467	0.5142	99.8551	-0.39			Andromedae
588	GJ 494 (BD+13 2618) (DT Vir)	nearby variable star, has a circumbinary planet (c)	M0V		9.460040265	13	0.7760047	12	22.54528	37.510	0.3684	266.7389	-11.23			Virginis
589	Gliese 268.3 (G 109-55)	PM	M3V		10.3937651	7	16.329555	27	8.5506051	37.512	0.1150	190.0405	-8.6			Geminorum
590	L 802-6 (LHS 1481)	M Sub-dwarf high metallic: Titanium & Calcium	sdM3.0			2	58.170476	-12	-53.1	37.526	0.3520	333.0651	100.32			Eridani
591	UCAC4 427-122653	PM	M4.0V			21	47.290905	-4	-44.67827	37.539	0.1496	271.2167	-12.29			Aquarii

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
592	GJ 452.1 (Ross 119)	On border line with Leonis	M3.5		12.68361694	11	54.131446	9	48.380156	37.559	0.4690	173.9440				Virginis
593	2MASS J23594034-7335055	Brown dwarf	T5.5			23	59.672483	-73	-35.09167	37.578	0.1650	277.9444				Tucanae
594	GJ 103(V* CC Eri)		K7V		8.544349108	2	34.376104	-43	-47.7812	37.589	0.1739	168.9132	41.9			Eridani
595	GJ 381 (MCC 568)	PM	M2.5V		10.17858227	10	12.077866	-2	-41.08618	37.600	0.4648	138.7493	25.9			Sextantis
596	LP 415-302	PM	M5.5Ve			4	39.527333	16	15.745	37.621	0.4639	184.3877	-33			Tauri
597	GJ 361 (Ross 85)	PM	M2.5V		10.09389341	9	41.172673	13	12.573748	37.642	0.3930	257.7685	11.626			Leonis
598	GJ 842 (CD-60 7821)	PM	M0.5			21	59.57838	-59	-45.16892	37.656	0.5206	98.0525	12.58			Indi
599	SCR0537-5612	PM Red & White dwarf stars Subasavage 2004	M			5	37.895833	-56	-12.29	37.695	0.4020	122.7000				Pictoris
600	2MASS J12462965-3139280, border area with Hydrae	Brown dwarf	T1			12	46.494296	-31	-39.47486	37.735	0.3258	181.6285				Centauri
601	LSPM J0746+2000	Brown dwarf	L0.5V			7	46.709367	20	0.5363333	37.796	0.2153	263.9505	21			Geminorum
602	CD-35 2213	PM	M4Ve			5	17.381784	-35	-21.91065	37.800	0.1605	232.5250				Fornacis
603	DENIS J185548.0-691415	PM Red & White dwarf stars Subasavage 2004	M6.0			18	55.797853	-69	-14.2488	37.831	0.4837	146.4913				Pavonis
604	zeta Dor	PM	F9VFe-0.5			5	5.5109363	-57	-28.36215	37.875	0.0708	15.3083	-1.15		0.048	Doradus
605	GJ 3442 (LHS 1918)	PM	M4.5		13.32249226	7	28.218217	-18	-47.5995	37.926	0.3567	1.0280				Canis Majoris
606	HIP 69454 (CD-56 5362)	PM	M2V		9.847605503	14	13.214553	-56	-44.52355	37.994	0.2308	296.8734	52.22			Centauri
607	UCAC3 82-18720	PM				6	21.111032	-49	-5.632543	37.994	0.1493	5.9180	-6.31			Puppis
608	LSPM J0602+3910	Brown dwarf	L1V			6	2.5077937	39	10.97644	38.056	0.3084	162.7825	7.94			Aurigae
609	GJ 42800B (HD 99279B)	PM	K7-V(k)		7.748748876	11	24.657815	-61	-38.90444	38.065	0.3280	80.9581	4.9			Centauri
610	gamma 29 Vir Porrima	B	F1 V	F0mf2V	3.155054345	12	41.660724	-1	-26.96237	38.070	0.3594	84.3020	-20.42			Virginis
611	G 41-8	PM	M6V			8	56.325764	12	39.829663	38.083	0.1461	190.8449	7.45			Cancri
612	BD+13 2618C	Brown dwarf	T8.5p			13	0.6989333	12	21.245333	38.087	0.3720	267.8491				Virginis
613	SSSPM J0829-1309	Brown dwarf	L2			8	28.569522	-13	-9.330701	38.087	0.3387	87.2890	25.85			Cancri
614	GJ 1075 (CD-57 1079)		K7V		8.711597717	5	5.7895392	-57	-33.22996	38.112	0.0722	15.3250	-0.88			Pictoris
615	GJ 572 (BD+45 2247)	Double or multiple star	M0V	?	8.789322567	15	0.9261346	45	25.576267	38.161	0.2318	325.6581	-9.78			Boötis
616	GJ 1097 (LHS 1920)	PM	M3V		10.9359289	7	28.75304	-3	-17.77361	38.177	0.5255	150.8714	1.54			Monocerotis
617	GJ 851 (Ross 271)		M2V		9.928054011	22	11.501566	18	25.5717	38.200	0.2185	298.7786	-51.33			Pegasi
618	Gliese 118 (L 127-97)	PM	M2.5		11.07534875	2	52.369495	-63	-40.78868	38.264	0.6792	302.9222	29.6			Horologii
619	GJ 4A (HD 38A)		K6V		8.6196478	0	5.6835483	45	48.72485	38.284	0.5190	99.9341	3.5		0.033	Andromedae
620	GJ 4B (HD 38B)	PM	M0.5 V		8.6696478	0	5.6723667	45	48.6455	38.284	0.5192	99.9373	1.9			Andromedae
621	Gliese 766 (Ross 165)		M4.5V		12.7547484	19	45.75815	27	7.5308333	38.284	0.7199	181.3893	0			Vulpeculae
622	GJ 4350 (LHS 547)		M4.5		13.26242509	23	36.86976	-36	-28.86358	38.302	0.8608	91.7040				Sculptoris
623	2MASS J14540797-6604476	Brown dwarf	L5			14	54.133	-66	-4.795	38.384	0.3757	125.6099				Circini
624	iota 24 Peg (iota Peg)		F5V		3.408626892	22	7.0110343	25	20.706269	38.436	0.1743	275.0100	-5.5		0.036	Pegasi
625	BD-05 1737	PM red / white dwarf stars Subasavage 2005	M2			6	40.233089	-5	-52.38956	38.456	0.3448	169.5780	47.45			Monocerotis
626	GJ 821 (Wolf 918)	PM	M1V		10.44779058	21	9.2904583	-13	-18.15032	38.463	1.2324	160.3182	-58.27			Aquarii
627	SCR0623-6701	PM Red & White dwarf stars Subasavage 2004	M			6	23.150667	-67	-1.315	38.477	0.5140	27.9000				Doradus
628	HIP 21000 (BD+04 701A	B PM	F8 D	F8 D	9.47095474	4	30.208663	5	17.911601	38.481	0.0254	101.9499	39.18		0.053	Tauri

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
629	GJ 9236 (Gliese 277.10) (LHS 6128)	PM	M0V		10.18784584	7	34.457211	62	56.489363	38.488	0.2953	257.4658	-41.28			Camelopardalis
630	lambda Ser		G0-V		4.07	15	46.443574	7	21.184027	38.505	0.1365	252.7974	-66.07	2g	0.016	Serpentis
631	2MASS J11553952-3727350	Brown dwarf	L2.3V			11	55.658934	-37	-27.59177	38.524	0.4608	176.8822	46			Centauri
632	2MASS J14252798-3650229	Brown dwarf	L4			14	25.466383	-36	-50.38752	38.547	0.3191	211.1692	5.37			Centauri
633	GJ 542 (HD 125072)	PM	K3IV		6.294283545	14	19.089254	-59	-22.62409	38.577	0.5408	209.2965	-18.49		0.02	Centauri
634	GJ 4289 (L 645-73)		M3.5		11.89629174	22	38.423974	-29	-21.41016	38.579	0.1553	182.7276	27.531			Piscis Austrini
635	GJ 3060	PM border area of Andromedae	M4.0V		12.30061663	0	50.55399	24	49.003543	38.593	0.1160	101.4182	6			Piscium
636	GJ 3612 (LP 37-179)	PM	M4V		11.32260898	10	35.454333	69	26.991667	38.596	1.0328	248.6960				Draconis
637	GJ 4288 (L 645-74)	PM	M2		10.17629174	22	38.411087	-29	-21.23465	38.613	0.1492	179.6162	26.15			Piscis Austrini
638	GJ 360	PM	M2,5V		10.22066823	9	42.580688	70	2.0327581	38.622	0.4216	248.0188	6.45			Ursae Majoris
639	GJ 1179B (EGGR 438)	White dwarf	DC9		15.25583025	13	48.050173	23	34.774032	38.661	0.8674	85.1861				Boötis
640	WT 392	PM				13	13.155313	-41	-30.66268	38.661	0.5965	88.6285				Centauri
641	GJ 277A (BD+36 1638)	Flare star Border areas with Geminorum & Aurigae	M2.5V		10.28133696	7	31.961955	36	13.163228	38.666	0.1836	226.0964	-0.1			Lyncis
642	GJ 1234 (EGGR 375)	White dwarf	DC7		14.23236882	19	18.977181	38	43.357967	38.688	0.1471	174.2993				Lyrae
643	GJ 362	Flare star	M3.5V		10.90984501	9	42.862134	70	2.3646524	38.695	0.4199	248.4142	6.651			Ursae Majoris
644	GJ 1179A (LHS 362)		M5V		14.92583025	13	48.223537	23	36.811727	38.703	0.8655	85.2776	-11			Boötis
645	GJ 414A (HD 97101)		K7V		7.947515335	11	11.086199	30	26.761083	38.749	0.3628	108.4384	-16.38			Canum Venaticorum
646	GJ 414B (HD 97101B)		M2V		9.597515335	11	11.03125	30	26.7395	38.749	0.3744	108.8573	-15.1			Canum Venaticorum
647	GJ 3126 (G 244-47)		M2.5V		11.03	2	1.5890116	63	46.199928	38.773	0.1600	249.8981	-84.7			Cassiopeiae
648	G 123-45	PM	M4.5V			12	36.477271	35	12.014169	38.781	0.2203	251.9706	13			Canum Venaticorum
649	LHS 3241	PM	M6.0V			16	46.525468	34	34.919654	38.790	0.3197	224.2836				Herculis
650	UCAC4 203-192840	PM	M5.5			22	40.311426	-49	-31.07472	38.809	0.2904	290.1759				Gruis
651	UCAC4 203-192841	PM				22	40.316072	-49	-31.02042	38.813	0.2802	287.5057	-28.09			Gruis
652	GJ 3954	Flare star Border area with Librae	M4.5		13.92139643	16	26.802667	-17	-23.56	38.829	0.3087	218.1876				Ophiuchi
653	2MASS J11473762+0501106	UCAC4 Nearby Star Candidate Aug 2014	M			11	11.906766	5	1.177098	38.835	0.0322	290.7256				Leonis
654	G 184-31	PM	M4.5V			18	49.907772	18	40.477627	38.841	0.1741	201.4183	30			Herculis
655	GJ 3356 (Ross 46)	PM	M3V		11.34436767	5	34.868591	13	52.778537	38.853	0.2409	196.6572	37.7			Orionis
656	Gliese 410 (V* DS Leo)	By Draconis variable	M1.0V		9.266423862	11	2.6390321	21	58.028408	38.888	0.0884	109.9866	-13.85			Leonis
657	Gliese 96 (BD+47 614)	PM	M0V		9.029586116	2	22.244068	47	52.801837	38.888	0.1279	280.7736	-37.94			Andromedae
658	2MASS J17312974+2721233	Brown dwarf	L0			17	31.495708	27	21.387243	38.906	0.1562	199.6341	-29.3			Herculis
659	GJ 180	PM Borderline area with Leporis	M3V		10.43947418	4	53.833	-17	-46.40513	38.925	0.4439	147.6332	-14.55			Eridani
660	Gliese 46 (CD-28 302)	PM	M3V		11.18319181	0	58.451308	-27	-51.37831	39.009	0.7738	103.0894	14.4			Sculptoris
661	GJ 1223 (LHS 457)	PM	M5,51		14.45843238	18	2.7708	37	31.081333	39.018	0.6685	171.3410	5			Herculis
662	GJ 275.2 B (EGGR 52)	White dwarf	DC9		14.31508054	7	30.789333	48	10.46	39.025	0.7486	190.0699	-0.9			Lyncis
663	GJ 1243	Flare star	M4.0V		12.4488098	19	51.155342	46	29.003482	39.027	0.1879	325.4323	-11.38			Cygni

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
664	UCAC4 439-049099	PM	M2.5V			9	21.802161	-2	-19.72234	39.032	0.1032	272.1277	-59.03			Hydrae
665	G 148-48	PM	M5			12	21.45091	30	38.594612	39.069	0.1977	218.1396				Comae Berenices
666	GJ 277B (Ross 989)	BY Draconis variable	M4.0V			7	31.955386	36	13.789302	39.098	0.2158	225.4393	-0.7			Lyncis
667	G 148-47	PM	M4.5e			12	21.445439	30	38.627203	39.107	0.1820	213.7917				Comae Berenices
668	UCAC4 286-055510	PM	M4.5			9	45.973862	-32	-53.50006	39.145	0.1943	64.0764				Pyxidis
669	GJ 3992 (Wolf 654)	PM	M4V		11.2087889	17	11.57913	38	26.565244	39.182	0.1267	102.4312	-44.44			Herculis
670	ab Zeta1 (Zet1Ret)	PM	G2.5V		5.122532936	3	17.769388	-62	-34.51924	39.223	0.8652	295.9149	12.21		0.057	Reticuli
671	GJ 4065 (Ross 149)		M4V		12.20695003	18	36.320533	13	36.439541	39.240	0.1929	327.2884	-38			Herculis
672	ab Zeta2 (Zet2Ret)		G1V		4.829889413	3	18.213642	-62	-30.38196	39.247	0.8614	295.9749	12.01		0.057	Reticuli
673	GJ 806 (BD+44 3567)	PM	M2V		10.28572135	20	45.06832	44	29.944057	39.255	0.2978	301.9905	-24.7			Cygni
674	SCR J1746-3214	PM				17	46.67765	-32	-14.07504	39.291	0.1337	296.6274				Scorpii
675	GJ 3727 (Ross 958A)		M2		10.55539046	12	28.886067	-10	-39.81367	39.297	0.1472	82.8918			0.057	Virginis
676	LHS 512	PM	M3.5			21	38.727664	-33	-39.91997	39.310	0.6760	116.5183				Piscis Austrini
677	UPM 1012-3124	UCAC4 Nearby Star Candidate Aug 2014	M			10	3.0378781	-31	-24.75473	39.357	0.0439	262.8373				Antliae
678	GJ 3266	Flare star	M4		13.34428354	4	12.28358	64	43.927089	39.376	0.3828	131.4892				Camelopardalis
679	Trappist-1 2Mass J23062928-0502285	Ultracool dwarf with 7 planets 3 tidally locked, e and f possible Earthlike	M8V		18.4	23	6.4893333	-5	-2.486667	39.453	0.6026	117.1019	-54	4, 3e	0.8	Aquarii
680	2MASS J09141746-4134383	PM				9	14.290482	-41	-34.63084	39.548	0.4458	45.7020				Velorum
681	L 43-72	PM	M4.5			18	11.254307	-78	-59.39188	39.572	0.1780	346.6743	23.81			Apodis
682	GJ 192 (G 85-52)		M0V		10.23434828	5	12.703777	19	39.939272	39.607	0.2146	310.7776	-25.04			Tauri
683	LTT 8542	Flare	M4V			21	30.794539	-40	-42.4909	39.640	1.0029	143.0995				Gruis
684	85 Peg (GJ 914)	(Similar to our Sun) B ?	G5VbFe-2		5.342483299	0	2.169274	27	4.9355067	39.650	0.7008	139.6307	-36.22		0.057	Pegasi
685	LP 335-12	low-mass	M7			18	39.551247	29	52.274686	39.650	0.1386	158.9169				Lyrae
686	zeta Tra		F9V		4.495163111	16	28.468994	-70	-5.063701	39.674	0.1334	298.4253	8.3		0.056	Trianguli Australis
687	UPM 1951-3100	UCAC4 Nearby Star Candidate Aug 2014	M			19	12.91841	-31	-0.363852	39.682	0.0883	167.0987				Sagittarii
688	GJ 1001 B	Brown dwarf	L5+L5			0	4.5810686	-40	-44.10774	39.688	0.9550	155.8704	32.84			Phoenicis
689	GJ 309 (HD 72673)	PM	K1V		5.963037839	8	32.858264	-31	-30.05105	39.688	0.7852	55.6143	14.882		0.016	Pyxidis
690	LHS 2686	PM	M5.0V			13	10.21049	47	45.31119	39.717	0.5153	225.9121	-10			Canum Venaticorum
691	2MASS J07003664+3157266	Brown dwarf	L3+L6.5			7	0.6107167	31	57.444833	39.732	0.3027	168.0206	-42.42			Geminorum
692	GJ 1210	PM	M5V		13.47047301	17	7.6809033	7	22.112267	39.732	0.3642	231.8119	31			Ophiuchi
693	GJ 3518	Flare star	M4		13.56906926	8	55.338833	-23	-52.25167	39.776	0.3465	87.4979				Pyxidis
694	GJ 3800	Flare star	M4		13.06906926	13	42.165133	-16	-0.389	39.776	0.2954	266.8389				Virginis
695	GJ 12 (G 32-5)		M4V		12.26005398	0	15.820706	13	33.371973	39.795	0.4074	298.0521	50			Piscium
696	GJ 671 (LHS 3281)	PM	M2V		10.91188886	17	19.878544	41	42.828312	39.849	0.5102	161.1177	-19.53			Herculis
697	L 18-22	PM				12	20.561288	-82	-25.95908	39.853	0.1428	356.5227				Chamaeleontis
698	2MASS J06244595-4521548	Brown dwarf	L6.5			6	24.765744	-45	-21.91215	39.917	0.2201	5.4215				Puppis
699	GJ 590 (LHS 3092)	PM	M4		12.35845079	15	36.57536	-37	-54.36222	39.926	0.5191	201.7060				Lupi
700	GJ 1140 (LAWD 34)	White dwarf Border areas to Sextantis & Leonis	DA5n		13.91322501	10	57.585571	-7	-31.38628	39.994	0.4783	83.6243				Crateris
701	GJ 212 (HD 233153)	PM	M1.0V		9.268975714	5	41.512177	53	29.388168	40.002	0.3002	179.5652	2.13			Aurigae

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
702	GJ 211 (HD 37394)		K1V		5.79084448	5	41.338929	53	27.86351	40.010	0.3046	179.5859	1.1		0.006	Aurigae
703	LTT 1732, on borderline with Reticuli	PM	M4.5			3	38.931914	-52	-34.17682	40.025	0.1555	327.1455	38.43			Horologii
704	GJ 3526 (G234-53)		M4.0Ve		12.61276759	9	2.881188	68	3.7762198	40.026	0.2277	331.1211				Ursae Majoris
705	beta TrA		F2 III		2.3	15	33	-63	-25.83333	40.100	2.5825	205.1000	0.4		0.011	Trianguli Australis
706	GJ 1001	PM, B (Brown dwarf)	M4V	L5, L5	12.92933859	0	4.6072908	-40	-44.04813	40.108	0.9603	155.7588	-3			Phoenicis
707	Ross 567	PM	M3.0Ve			3	53.173923	62	34.134463	40.148	0.1577	173.2680				Camelopardalis
708	Gliese 798 (HD 196877)		K7V		8.404111423	20	42.313046	-52	-41.95591	40.163	0.6226	175.5616	-47.01			Indi
709	rho1 Cnc 55	Gl032400B	G8V	M3.5-4V	5.460014457	8	52.596667	28	19.85	40.207	0.3136	334.2270	27.3	1e, 4g	0.033	Cancri
710	L 85-31	PM	M3.5			23	53.420397	-70	-56.6858	40.227	0.1845	276.0109	0.6			Tucanae
711	G 75-35	PM	M4.5V			2	41.252285	-4	-32.29707	40.247	0.2081	99.3436	21.61			Ceti
712	GJ 3263 (LHS 1630)	PM	M3.5		11.94242509	4	7.3415	-24	-29.21667	40.267	0.3993	162.8850				Eridani
713	GJ 4004 (LHS 3295)	PM	M3.5		11.64242509	17	29.46171	-80	-8.969633	40.267	0.4174	47.1462	34.614			Apodis
714	V* V549 Hya	UCAC4 Nearby Star Candidate Aug 2014	M			11	8.1715497	-26	-52.15222	40.269	0.0579	253.2952				Hydrae
715	GJ 1215 (LHS 3277)	PM	M5V		14.58263109	17	17.73486	11	40.207088	40.322	0.3147	219.2223	-61			Ophiuchi
716	2MASS J04390101-2353083	Brown dwarf	L4.5			4	39.016755	-23	-53.14152	40.327	0.1109	216.5768				Eridani
717	GJ 1263 (Wolf 940)	PM	M4		12.21376652	21	46.673712	0	10.396193	40.337	0.5357	123.3105	4.14			Aquarii
718	GJ 179 (Wolf 1539)		M2V		11.5627961	4	52.095532	6	28.593033	40.367	0.1990	153.2803	-8.865			Orionis
719	GJ 3250 (LHS 1593)	PM	M5V		14.01729161	3	47.348149	8	41.785191	40.408	0.4681	144.3163	5			Tauri
720	DENIS J224159.3-750034	PM	M5.5			22	41.989473	-75	-0.550972	40.502	0.1338	19.2940				Octantis
721	GJ 3466 (L 601-78)		M4		12.89544993	7	54.912239	-29	-20.93817	40.546	0.3633	144.9715				Puppis
722	G 86-28	PM	M3.0Ve			5	10.658671	29	46.798933	40.553	0.1474	76.8319				
723	2MASS J04013766+2849529	PM				4	1.6265656	28	49.878528	40.578	0.2798	257.6220				
724	GJ810A (LP 756-18)	PM	M4.5V		11.93538502	20	55.618588	-14	-3.914678	40.607	0.8710	108.3819	912.541			Aquarii
725	GJ 4098 (G 207-19)	PM	M3V		11.34242509	19	8.4987575	32	16.860178	40.617	0.1746	221.6658	-3			Lyrae
726	L 87-10	PM	M4			1	4.1159707	-65	-22.4531	40.629	0.2068	240.7799	-866.84			
727	2MASS J07545484-3809381	PM red / white dwarf stars Subasavage 2005				7	54.914041	-38	-9.629628	40.664	0.2183	11.6642				Puppis
728	rho01 Cnc B	PM	M4.5V			8	52.681046	28	18.980414	40.664	0.3137	244.2760	27.8			Cancri
729	lambda Aur	PM	G1.5IV-VFe-1		4.200333303	5	19.141258	40	5.9431607	40.671	0.4912	141.9379	66.57		0.057	Aurigae
730	LHS 475	PM	M3			19	20.906283	-82	-33.26948	40.679	0.7371	164.5981				
731	GJ 9716 (LHS 5363)	PM	M4		12.09125357	21	3.2388102	-56	-57.85743	40.692	0.2965	45.9024	25.951			Indi
732	GJ 4069	Flare	M4			18	41.623318	39	42.202449	40.694	0.1835	235.0790	-35.97			
733	LP 649-72	PM	M5.5V			2	14.209378	-3	-57.72636	40.700	0.3099	107.0571	-15.6			
734	GJ 142 (HD 21531)	PM	K5V		7.88527034	3	27.873434	-19	-48.26902	40.705	0.3587	299.4753	34.86		0.042	Eridani
735	GJ 302 (HD 69830) (LHS 245) (285 G. Pup)	b,c,d planets & asteroids PM	G8:V		5.45	8	18.399118	-12	-37.93019	40.705	0.5970	164.2252	32.2	3g	0.016	Puppis
736	WISEP J180435.40+311706.1	Brown dwarf	T9.5:			18	4.58955	31	17.108	40.725	0.6074	43.5252				
737	TYC 4618-116-1	PM	M2.5Ve			7	19.967448	84	4.6357467	40.740	0.0522	205.3425				
738	V* DY Psc	BY Draconis variable	L0.6V			0	24.410572	-1	-58.33282	40.740	0.0936	28.6722	11.65			
739	i Boö	B, Eclipsing binary of W UMa type	G0Vn	G9	5.431303322	15	3.7882608	47	39.243713	40.750	0.2596	87.4494	-17.89			Boötis

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
740	LP 888-18	PM	M7.5V			3	31.504272	-30	-42.64704	40.766	0.2365	172.6860	19			
741	GJ 2045 (LP 658-44)		M5.0V		14.74325517	5	42.211967	-5	-27.94517	40.776	0.5633	10.1725				Orionis
742	2MASS J18410977-4347327	PM Red / White dwarf stars Subasavage 2005	M			18	41.163619	-43	-47.54568	40.812	0.4663	263.8770				
743	Wolf 940 B	Brown dwarf	T8.5			21	46.64715	0	10.643167	40.827	0.5346	124.0000				
744	HIP 55042 (HD 304043)	PM	M3.5		11.16756405	11	16.048126	-57	-33.03208	40.919	1.5925	64.3710	-35			Centauri
745	CFBDS J003402-005205	Brown dwarf	T8.5			0	34.047	0	52.095	40.930	0.2090	182.6520				Ceti
746	EM* StHA 10	UCAC4 Nearby Star Candidate Aug 2014	M			1	13.239004	8	33.449484	40.953	0.0566	279.1717				Piscium
747	GJ 1055 (LHS 1504)	PM Border area with Arietis	M5.0V		14.47656046	3	9.0027867	10	1.4275556	40.976	0.3797	153.9635	-31.62			Ceti
748	UCAC4 430-018355	PM	M5.5V			6	35.497558	-4	-3.307262	41.002	0.0742	52.2258	41.52			
749	bet TrA	PM	F1V			15	55.142661	-63	-25.8443	41.017	0.2563	205.0968	0.4			Trianguli Australis
750	GJ 4078 (LHS 3414)	PM Border area with Telescopii	M3.5		12.47121255	18	49.853419	-57	-26.81001	41.027	0.3958	254.2953				Pavonis
751	GJ 1073 (LHS 198)	Border area with Persei	M5V		12.8737048	4	52.574667	40	42.425	41.033	0.3967	303.8604	95		0.016	Aurigae
752	2MASS J09211410-2104446	Brown dwarf	L1			9	21.23513	-21	-4.740373	41.079	0.5493	164.9019	81			
753	LHS 1918	UCAC4 Nearby Star Candidate Aug 2014	M			7	7.0545703	-18	-47.5942	41.083	0.3571	1.0735				Canis Majoris
754	GJ 1029 (G 69-47)	PM	M5,0V		14.30456534	1	5.6220333	28	29.566333	41.084	1.1157	95.8057	19.87			Piscium
755	GJ 64 (LAWD 10)	White dwarf	DA+D1		12.39312202	1	37.989894	-4	-59.7445	41.132	0.3946	121.0805				Ceti
756	GJ 737B (HD 175224B)	PM	K5Ve		9.49198023	18	57.508017	-55	-59.4665	41.213	0.2575	175.9845	-15.8			Telescopii
757	GJ 737A (HD 175224A)	PM	K7Ve		8.94198023	18	57.509867	-55	-59.51517	41.213	0.2619	180.3691	-13.5		0.042	Telescopii
758	2MUCD 10088	Brown dwarf	L6.5			1	44.590077	-7	-16.23857	41.225	0.2511	117.1493	-2.55			
759	GJ 359 (Ross 92)		M4.5V		13.80435909	9	41.03325	22	1.486	41.241	0.3885	136.8202	41			Cancri
760	GJ 1072 (G 85-19)		M5V		14.47849106	4	50.848778	22	7.3588728	41.257	0.4417	124.0856	51.464			Tauri
761	GJ 26 (Wolf 1056)		M2.5V		10.56183564	0	38.984061	30	36.973122	41.264	0.9068	270.9862	8.7			Andromedae
762	Gliese 422 (HD 304043)	PM	M3.5		11.07397682	11	16.00341	-57	-32.85952	41.272	1.5927	64.3771	-35			Muscae
763	UCAC4 655-108663	PM	M5.5V			22	11.402742	40	59.978354	41.277	0.0660	53.6974	19.79			
764	SCR0913-1049	PM red / white dwarf stars Subasavage 2005	M			9	13.903333	-10	-49.55333	41.279	0.6700	219.9000				Hydrae
765	GJ 3208 (LHS 1516)		M6		15.90037401	3	14.207	28	40.686667	41.293	0.4797	157.0113				Arietis
766	Gliese 810 (LP 756-19)	B, border area to Capricorni	M4V	M4.5V	14.03538502	20	55.550328	-14	-3.567238	41.339	0.8722	108.0412	912.541			Aquarii
767	GJ 775 (HD 190007)	BY Draconis variable	K5V		6.871484005	20	2.7840932	3	19.57108	41.440	0.0871	37.0720	-30.23		0.042	Aquilae
768	UCAC4 026-011435	PM				23	30.636314	-84	-55.31534	41.461	0.1625	256.9927				
769	2MASS J05395200-0059019	Brown dwarf	L5			5	39.866728	0	59.02457	41.487	0.2094	333.1685	13.91			
770	GJ 3709 (L 758-107)		M3.5		11.9661586	12	11.282424	-19	-58.36191	41.494	0.1621	227.4918				Corvi
771	UCAC4 098-002679	PM				2	46.037728	-70	-24.10432	41.514	0.1352	112.4358				
772	2MASS J05233822-1403022	Brown dwarf	L2.5			5	23.637064	-14	-3.033482	41.577	0.1125	326.3126	12.48			
773	HIP 84051 (CD-52 7989)	PM	M1V		9.552654912	17	10.989857	-52	-30.95352	41.580	0.1704	57.6925				Arae
774	GJ 3708 (L 758-108)	PM	M3			12	11.195998	-19	-57.63449	41.583	0.1638	229.1183	-9.1			Corvi
775	LHS 2935	PM	M6V			14	32.141793	8	11.520809	41.599	0.2775	88.7870	-18			
776	24 G. Vir	has an unconfirmed planet (b)	K0IV		4.99	12	0.7395	-10	-26.69	41.600	0.2932	163.6647	0.4	1g	0.01	Virginis
777	UCAC4 376-001648	Star				1	28.658514	-14	-58.0784	41.636	0.0175	183.7899	11.02			

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
778	GJ 435 (HD 101581)		K4.5V		7.283005653	11	41.041136	-44	-24.31137	41.646	0.4092	69.8908	13.809		0.042	Centauri
779	GJ 349 (HD 82106)		K3V		6.684559204	9	29.913758	5	39.307987	41.647	0.2992	77.8042	29.71		0.02	Hydrae
780	GJ 843 (LHS 3744)	PM Borderline with Capricorni	M3.5		11.54816258	22	2.0116667	-19	-28.98833	41.662	0.5407	274.8763				Aquarii
781	GJ 3452	PM	M2.5V		10.70290727	7	35.364653	54	50.98287	41.668	0.0665	83.3839	-15.2			Lyncis
782	Gliese 91 (CD-32 828)	PM	M2V		9.856788041	2	13.885066	-32	-2.396944	41.668	0.5387	125.0678	43.89			Fornacis
783	HD 158633 (HIP 85235)	PM	K0V			17	25.001638	67	18.402502	41.678	0.3095	89.4901	-38.49			Draconis
784	SCR0631-8811	PM Red & White dwarf stars Subasavage 2004	M			6	31.521333	-88	-11.61333	41.702	0.5160	349.9000				Octantis
785	GJ 3009 (LTT 57)	PM	M2		11.4161586	0	8.2897082	-57	-5.881757	41.708	0.2084	262.8722	26.835			Tucanae
786	GJ 3093A (G 71-2)	B	M5V	M?	13.17053047	1	22.750167		32.07	41.716	0.3378	202.3694	-4			Ceti
787	Wolf 398	PM	M4V			11	28.937641	10	10.654185	41.721	0.5438	53.3657	32			
788	GJ 390 (BD-09 3070)		M1V		9.687349143	10	25.180618	-10	-13.72149	41.769	0.4094	80.0681	21.758			Sextantis
789	GJ 1288	Flare star	M5V		13.92641951	23	42.879113	30	49.362553	41.776	0.2623	228.2000	-8			Pegasi
790	GJ 95 (HD 14412)		G8V		5.82483451	2	18.975078	-25	-56.74122	41.812	0.2880	26.0816	7.459		0.033	Fornacis
791	GJ 1031 (LHS 1197)	PM	M3		12.82406796	1	8.3048595	-28	-48.34284	41.823	0.4319	99.4800				Sculptoris
792	GJ 4169 (LHS 3593)	PM	M5V		13.26268599	20	53.55107	10	37.036681	41.853	0.3870	227.7745	-17			Delphini
793	G 164-47	Flare	M4.8V			13	9.5828589	28	59.106042	41.871	0.2298	238.9407	-5.2			
794	LP 206-11		M5.5V			7	11.189667	43	29.983333	41.877	0.3929	148.6871	-43			
795	2MASS J14221943-7023371	PM	M5			14	22.324576	-70	-23.61691	41.898	0.5219	242.2067				
796	GJ 1220 (LHS 3297)	PM Border line with Draconis	M4		13.43323118	17	31.286765	82	5.3342979	41.926	0.3287	31.0689				Ursae Minoris
797	LHS 493	PM	M4.5			20	28.062147	-76	-40.26432	41.931	0.8365	149.7805	122			
798	GJ 742 (LAWD 73)	White dwarf	DAP4.5		12.56950799	19	0.1708905	70	39.856973	41.956	0.2980	350.3613				Draconis
799	HIP 95326		K2.5V		11.84238454	19	23.648899	-39	-11.34963	41.972	0.0235	103.8644	35.9			Sagittarii
800	LP 779-34	PM	M4.0V			6	15.199736	-16	-26.25716	42.012	0.2209	191.5375				
801	GJ 42800A (HD 99279A)	PM	K5V		6.948748876	11	24.682406	-61	-38.86534	42.042	0.2913	78.6070	4.5			Centauri
802	L 186-67		M4.5			8	22.790231	-57	-26.88245	42.044	0.3540	37.7170	14.7			
803	62 G. Sco (HD 147513)	PM, B	G5V	G3	10.4615863	16	24.02151	-39	-11.57891	42.055	0.0432	272.8306	12.89	1g	0.057	Scorpii
804	Gliese 525 (BD+18 2776)	PM border area with Comae Berenices	M1V		9.22397682	13	45.084682	17	47.12614	42.066	1.0983	166.1833	18.9			Boötis
805	L 186-66	PM	M:			8	22.797891	-57	-26.75198	42.066	0.3336	40.3388				
806	UCAC4 669-114573	PM	M4.0V			23	2.8748151	43	38.25972	42.071	0.0800	267.9685	1			
807	36 UMa	PM	F8V		4.295456132	10	30.626339	55	58.832274	42.074	0.1050	259.6489	8.69		0.053	Ursae Majoris
808	Gliese 620.1 B (CD-38 10980)	White dwarf	DA2			16	23.563974	-39	-13.76933	42.077	0.0449	270.2481	13			Scorpii
809	GJ394 (36UMaB)		K7Ve		7.979676324	10	30.421818	56	59.947649	42.091	0.1078	259.9753	8.777			Ursae Majoris
810	G 138-38	White dwarf	DA8			16	32.55281	8	51.377881	42.104	0.2211	132.9747				
811	GJ 503 (HD 36003)	PM	K5V		7.083299489	5	28.434925	-3	-29.97333	42.147	0.4973	201.1218	-55.53		0.042	Orionis
812	HIP 27887 (HD 40307)	b,c,d,e,f,g planets	K2.5V		6.629080598	5	54.070665	-60	-1.407795	42.164	0.0466	221.0501	31.334	6g	0.02	Pictoris
813	eta Aur (Capella)	B	G8 III	F6	0.6	5	16.68826	45	59.941756	42.200	0.4400	169.0000	29.77		0.057	Aurigae
814	GJ 206 (Ross 42)	Flare star	M4Ve		10.98880881	5	32.244271	9	49.248841	42.213	0.1640	219.7003	20.66			Orionis
815	GJ 3846 (G 65-49)		M3V		11.47709833	14	24.933067	8	53.257494	42.263	0.3322	286.3534	-5			Boötis
816	GJ 863 (BD+08 4887)	PM	M0V		9.832420897	22	33.037105	9	22.678644	42.297	0.3238	284.6986	-6.98			Pegasi
817	GJ810B (LP 756-19)	PM	M4V			20	55.629013	-14	-2.135487	42.304	0.8722	108.0412	912.541			Aquarii
818	GJ 3506	PM	M3.0Ve		11.07977486	8	35.817407	68	4.1521333	42.345	0.5875	236.1528				Ursae Majoris

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
819	GJ 3722 (G 237-64)		M2.5		10.68273562	12	23.547191	67	11.316607	42.353	0.1544	117.5973	14.6			Draconis
820	LP 326-38	PM	M4.0V			14	51.173274	31	6.671999	42.416	0.2266	241.6484				
821	GJ 167 (HD 27274)		K4.5Vk		7.057171468	4	15.948362	-53	-18.58843	42.422	0.5114	296.8222	-23.4		0.042	Doradus
822	Wolf 1473	SB	M3.5			17	46.488876	-8	-42.6084	42.538	0.2503	185.8958	-17.12			
823	GJ 67 (HD 10307)	SB	G1V		4.440607878	1	41.785719	42	36.807392	42.577	0.4835	101.8750	3.12		0.057	Andromedae
824	LSR J1524+2925	Brown dwarf	M7.5V			15	24.412655	29	25.52569	42.588	0.3674	185.1577				
825	LHS 332 (GJ 1158)	PM	M3			12	29.575701	-55	-59.61748	42.599	0.7059	228.0537	-27			
826	UCAC2 18795384	PM				19	51.673243	-31	-0.369887	42.622	0.0795	159.0177				
827	GJ 722 (HD 172051)		G5V	?	5.293017571	18	38.890008	-21	-3.11228	42.627	0.0986	206.2172	36.175		0.055	Sagittarii
828	2MASS J08300825+4828482	Brown dwarf	L9.5			8	30.137567	48	28.804833	42.633	0.6631	231.9839	27			
829	2MASS J05012406-0010452	Brown dwarf	L4			5	1.4011667	0	10.754333	42.644	0.1387	125.9567	21.77			
830	GJ 1101	Flare star	M5.0V		12.60816258	7	55.898813	83	23.082435	42.671	0.3878	205.9415	19.6			Camelopardalis
831	HD 98712B	PM	M2.5Ve			11	21.443138	-20	-27.15656	42.672	0.1486	120.4293	-2.86			Crateris
832	GJ 369 (BD-11 2741)	PM	M2.0V		9.359586885	9	51.160668	-12	-19.79127	42.738	1.0748	141.9903	61.6			Hydrae
833	2MASS J05002100+0330501	Brown dwarf	L4pec			5	0.3502127	3	30.834639	42.750	0.2047	178.3382	15.94			
834	G 154-43	PM	M5.0V			18	3.6005863	-18	-58.83221	42.756	0.2229	153.1347				
835	GJ 194 alf Aur		G3 III		0.400616536	5	16.689312	46	59.879488	42.756	0.2522	170.0029	29.19		0.057	Aurigae
836	G 161-71	PM	M5.0V			9	44.903209	-12	-20.90624	42.773	0.1934	84.8212	13.5			
837	GJ 1267 (HD 211970)	PM	K7Vk		8.428055985	22	22.27319	-54	-33.671	42.786	0.1737	38.0685	-5.6			Gruis
838	GJ 3467	Flare star	M5V		12.9954902	7	58.151564	7	17.024253	42.793	0.1903	264.3801	-2			Canis Minoris
839	GJ 82 (Ross 15)	Flare star Border line with Persei	M4Ve		11.81061663	1	59.38592	58	31.296465	42.793	0.2177	120.9883	-9.8			Cassiopeiae
840	GJ 63 (Ross 10)	PM	M2.5Ve		10.96843875	1	38.360264	57	13.949765	42.795	0.2315	209.2968				Cassiopeiae
841	HIP 67593				12.71977486	13	51.024041	23	45.817561	42.804	0.0089	162.3813	4.52			Boötis
842	LHS 1169	PM	M3.0Ve			0	57.044866	45	5.1631817	42.835	0.3662	96.2169	-23.3			
843	GJ 4352 (BD-17 6785)		M2V		10.47037401	23	38.135946	-16	-14.17004	42.837	0.1695	254.4902	20.16			Aquarii
844	PPMX 010320.9-134823+B4743	UCAC4 Nearby Star Candidate Aug 2014	M			1	0.8373589	-13	-48.38415	42.843	0.0513	299.8496				Ceti
845	Gliese 835 (BD+27 4120)	PM border area with Vulpeculae	M1V		9.286067081	21	38.001227	27	43.435538	42.877	0.2778	99.0518	-15.1			Pegasi
846	GJ 3586 (LHS 2224)	PM	M4.54		12.84530632	10	9.4994972	51	17.327986	42.880	0.5454	207.9839	85.78			Ursae Majoris
847	GJ 718 (HD 170657)	PM	K2V		6.205766231	18	31.317436	-18	-54.50032	42.881	0.1392	215.3274	-43.04		0.006	
848	GJ 425A (HD 98712A)	B	K7V	M2.5Ve	10.40406796	11	21.444397	-20	-27.22706	42.885	0.1231	123.1584	4.9			Crateris
849	GJ 1180 (BD+27 2303)		G5		10.23406796	13	52.00083	26	38.174619	42.916	0.0276	251.2882	-19.8			Boötis
850	GJ 3403 (CD-55 1514)	PM	M0Vk:			6	39.627393	-55	-36.58055	42.931	0.2283	88.3681	5.93			Carinae
851	Gliese 865 (GJ 865)		M3Ve			22	38.495943	-65	-22.7111	42.942	0.4950	101.2109	-9.1			Tucanae
852	GJ 895 (BD+57 2735)	PM	M1.5Ve		9.450629599	23	24.508577	57	51.258617	42.999	0.1679	192.3566	-33.12			Cassiopeiae
853	GJ 707 (HD 166348)		M0V		7.807523871	18	12.356537	-43	-26.69086	43.010	0.2551	162.2223	-3.92			Coronae Australis
854	GL 114.1 (CD-53 570)		M1.5		10.13688745	2	50.162248	-53	-8.338149	43.027	0.3002	12.8338	-4.55			Horologii
855	GJ 164 (Ross 28)	Borderline with Camelopardalis	M4.0Ve		12.88397488	4	12.980544	52	36.700356	43.091	0.5201	202.9861	-19.551			Persei
856	G 98-7	PM	M3.5V			5	32.865833	33	49.791667	43.095	0.2900	211.7129				
857	GJ 3497 (LP 35-347)	PM	M7V		15.1827339	8	25.880733	69	2.0194619	43.122	0.8499	208.7002	-1			Ursae Majoris

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
858	GJ 174 (HD 29697)	By Draconis variable	K4V		7.349970001	4	41.314256	20	54.090799	43.130	0.2011	222.6566	0.55		0.02	Tauri
859	58 Eri	Cariable of BY Dra type	G3V		4.868199685	4	47.603537	-16	-56.09204	43.140	0.1242	322.4671	21.72		0.057	Eridani
860	GJ 556 (HD 128165)	PM	K3V		6.590781364	14	33.481133	52	54.527449	43.147	0.1823	37.6864	11.392		0.02	Boötis
861	NLTT 35712	PM	M4.0V			13	53.646584	77	37.135843	43.169	0.1307	93.8648	13			
862	LHS 2919	PM	M7V			14	28.069264	13	56.222008	43.181	0.3580	216.4551	-26			
863	SSSPM J0306-3648	PM	M8.7V			3	6.193322	-36	-47.88088	43.187	0.4021	194.4506	11.44			
864	LP 357-56	PM				3	54.770253	24	16.41048	43.198	0.2142	232.9432				
865	LTT 5790	UCAC4 Nearby Star Candidate Aug 2014	M			14	9.4733411	-34	-39.2847	43.201	0.1396	244.3960				Centauri
866	LP 912-33	PM				13	57.21774	-29	-22.43219	43.204	0.2641	183.0061				
867	GJ 3423	Flare star Border area with Lyncis	M4.0V		12.54530632	7	3.3861477	34	41.85654	43.210	0.0882	22.1769	43.45			Geminorum
868	LP 326-21	PM	M8.5			14	44.286333	30	2.2416667	43.210	0.2044	197.5583				
869	GJ 1012 (LHS 1084)	Border line with Aquarii	M4.18		11.55950799	0	28.658	-6	-39.80167	43.210	0.5053	202.9041	-15.611			Ceti
870	GJ 1248	PM	M2.5Ve		11.57538502	20	3.8499451	5	59.737312	43.215	0.5473	211.7949	30.5			Aquilae
871	2MASS J01283952-1458042	UCAC4 Nearby Star Candidate Aug 2014	M			1	7.1647592	-14	-58.0741	43.266	0.0204	209.1179				Ceti
872	GJ 868 (HD 214749)		K4.5Vk		7.161752498	22	40.723074	-29	-40.46879	43.290	0.2214	92.5170	0.11		0.042	Piscis Austrini
873	UPM 1845-2855	UCAC4 Nearby Star Candidate Aug 2014	M			18	11.489543	-28	-55.88555	43.299	0.0642	212.5388				Sagittarii
874	GJ 606 (BD-07 4156)		M1V		9.781831618	15	59.889693	-8	-15.19236	43.307	0.1188	97.1831	-17			Librae
875	2MASS J12255432-2739466	Brown dwarf	T5.5+T8			12	25.905383	-27	-39.778	43.382	0.4285	148.4893				
876	2MASS J15530228+1532369	Brown dwarf	T6.5+T7.5			15	53.038017	15	32.615167	43.382	0.2542	66.9564				
877	CD-29 4446A	PM	M0.5			7	28.856333	-30	-14.81833	43.382	0.1077	224.9628	30.1			
878	SDSS J162838.77+230821.1	Brown dwarf	T7			16	28.646333	23	8.3516667	43.382	0.3944	132.8479				
879	GJ 195 A	B	M2.5V	M4	9.61262269	5	17.395467	45	50.382833	43.388	0.2434	169.6152	36			Aurigae
880	GJ 195 B	PM	M4:			5	17.399203	45	50.321818	43.388	0.2449	172.6126				Aurigae
881	GJ 4055 (Ross 708)	PM	M3.5Ve		11.77666248	18	23.47237	28	10.065417	43.440	0.1120	203.0618				Herculis
882	GJ 4239 (LHS 516)	PM	M5		14.01530632	21	56.919	-1	-54.16833	43.440	0.8195	295.1643	-104.575			Aquarii
883	GJ 592 (Ross 802)	PM	M4		12.11546679	15	36.97805	-14	-8.010167	43.498	0.4469	215.6764	-191.293			Librae
884	WT 765	White dwarf	DA?			21	1.0866868	-49	-6.404546	43.504	0.2126	231.7336				
885	GJ 3647 (V* CW Uma)	Flare star	M3.5V		11.94906926	11	11.862348	33	32.187194	43.520	0.1228	56.5289	2.2			Ursae Majoris
886	2MASS J11220826-3512363	Brown dwarf	T2			11	22.137562	-35	-12.60959	43.521	0.1723	208.8410				
887	GJ 521 (BD+46 1889)		M1.0V		9.617720539	13	39.401708	46	11.189407	43.553	0.2277	6.2288	-66.5			Canum Venaticorum
888	beta Aql (Alshain)	B, Red dwarf	G8IVvar	M3	3.035126481	19	55.313222	6	24.406297	43.578	0.2820	174.6134	-40.07		0.033	Aquilae
889	beta Aql B (GJ 771B)	Red dwarf	M3		10.71512648	19	55.313833	6	24.621667	43.578	0.2812	174.3012	-32.9			Aquilae
890	GJ 2138 (G 155-29)	Double or multiple star	M2.5	?	10.73490145	18	38.745755	-14	-29.43373	43.606	0.3373	168.8245	-38.54			Scuti
891	GJ 732A (L 489-58)		M3.5V		12.0810892	18	53.664455	-38	-36.72057	43.614	0.5878	161.1167				Coronae Australis
892	GJ 774A (V* V375 Pav)	B (LHS 3512)	M2.5	M3.5	10.71369414	20	4.0785817	-65	-35.99883	43.614	0.5936	163.8386	72			Pavonis
893	GJ 2070 (L 963-15)	PM	M3.5		11.82771968	8	34.43143	-1	-8.659238	43.652	0.2787	151.0929	34.88			Hydrae
894	GJ 507A (BD+35 2436)	SB	M1V			13	19.559917	35	6.6093678	43.667	0.5035	153.4502	-9.13			Canum Venaticorum
895	LP 890-27	PM	M4.5			4	26.54406	-30	-48.03093	43.673	0.2754	188.1682				

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
896	L 980-5	PM	M3.5			14	21.252085	-1	-7.330233	43.696	0.3773	164.9204				
897	GJ 3148 (CD-31 909)	Flare star	M3Ve		11.59241336	2	16.686632	-30	-59.3038	43.700	0.4235	289.9829	18.5			Fornacis
898	Iota Psc	PM	F7V		3.431989526	23	39.947005	5	37.641224	43.764	0.3363	139.0089	5.95		0.048	Piscium
899	G 125-34	PM	M3.5Ve			19	48.680177	35	55.287358	43.773	0.1705	169.3763	23.45			
900	GJ 3149 (CD-31 908)	Flare star	M4		12.72241336	2	16.585121	-30	-58.3038	43.781	0.4228	289.8179	18.5			Fornacis
901	TYC 4823-2265-1	UCAC4 Nearby Star Candidate Aug 2014	M			7	3.2967531	-5	-11.81053	43.788	0.1776	183.5869				Monocerotis
902	2MASSI J2356547-155310	Brown dwarf	T5.8			23	56.912833	-15	-53.185	43.790	0.4346	214.4623				
903	GJ 427 (Ross 627)	White dwarf	DA6.8		13.59201953	11	24.2185	21	21.593333	43.790	0.6057	268.9544	52			Leonis
904	HIP 56157 (LP 672-42)	PM border area with Virginis	M3.0V		11.25577789	11	30.697091	-8	-5.716442	43.796	0.2544	53.9336				Crateris
905	GSC 08894-00426	PM	M5Ve			6	25.934876	-60	-3.450647	43.808	0.0661	12.9140				
906	GJ 3543 (L 749-34)	PM	M2V		10.26544993	9	16.344076	-18	-37.54836	43.815	0.2019	65.0833	14.15			Hydrae
907	G 194-47	PM	M3.5V			8	59.598121	53	43.843165	43.843	0.1926	234.0837	3			
908	SCR2235-7722	PM Red & White dwarf stars Subasavage 2004	M			22	35.963	-77	-22.27	43.853	0.6120	197.6000				Octantis
909	GJ 386 (MCC 573)	Borderline with Hydrae	M3		10.2903586	10	16.76581	-11	-57.70672	43.888	0.4274	214.6425	-10.69			Sextantis
910	G 172-1	Flare	M3.7V		12.55406796	0	28.898485	50	22.552118	43.902	0.2718	286.5310	6.3			
911	UCAC4 657-006214	PM	M4.5V			1	36.840071	41	23.535398	43.902	0.2448	204.1436				
912	GJ 528B (HD 120476B)	Flare star	K6V		7.354038145	13	49.067219	26	58.736846	43.906	0.2724	261.2196	-21.7		0.033	Boötis
913	GJ 1092 (VB 16)	PM	M4		13.15834603	6	49.090333	37	6.89	43.908	0.9301	172.7772	-14.94			Aurigae
914	GJ 1194A (VB 24 A)	PM, B	M3	M3.5	11.80551987	15	40.058833	43	29.661667	43.908	0.7058	105.1474	-120.4			Boötis
915	2MASS J12545393-0122474	Brown dwarf	T2e:			12	54.898401	-1	-22.78999	43.920	0.2931	77.3098	-24			
916	GJ 3371 (G 192-11)	BY Draconis variable	M0.0V			5	59.629198	58	35.580753	43.938	0.1480	177.9368	-0.15			Camelopardalis
917	2MASS J06422703-6707193	PM Red & White dwarf stars Subasavage 2004	M5.0			6	42.452467	-67	-7.329441	43.950	0.4705	120.3761				
918	upsilon And		F9V		3.44348229	1	36.797369	41	24.327405	43.956	0.2439	204.4172	-28.59		0.053	Andromedae
919	UCAC4 190-144881	PM				16	33.327908	-52	-7.937564	43.985	0.2354	209.9031				
920	Gliese 354 (* tet UMa)		F7V		13.15055578	9	32.944583	51	41.170488	43.987	0.6327	240.0854	14.4			Ursae Majoris
921	GJ 1292 (LHS 551)		M3V		11.00967632	23	57.73579	23	18.276796	43.989	0.8395	135.5307	-33.7			Pegasi
922	GJ 3372 (G 192-12)		M4.2V		12.96406796	5	59.928078	58	34.253526	44.009	0.1471	180.1679	0.2			Camelopardalis
923	UCAC4 672-033085	PM	M5.0V			5	5.0986626	44	14.062177	44.009	0.0578	106.8651	8.46			
924	GJ 215 (BD+62 780)	PM	K7V		8.337803823	5	45.804602	62	14.206434	44.028	0.4892	159.2914	-20.63			Camelopardalis
925	GJ 69 (HD 10436)	PM	K5V		7.76932351	1	43.67873	63	49.403884	44.032	0.4096	214.1408	-50.827		0.042	Cassiopeiae
926	PM J17476-5436	White dwarf	DC			17	47.613583	-54	-36.51938	44.039	0.2859	231.3841				
927	LHS 1629	PM	M4.5			4	6.6206841	79	16.023839	44.081	0.2853	145.5705	1.36			
928	G 137-84	PM	M3.0V			16	9.2710834	9	21.125748	44.110	0.2357	57.3186				
929	gamma 35 Cep (Er Rai) Alrai	(new pole star in 4000 AD)	K1III-IVCN1		2.511690033	23	39.348359	77	37.941758	44.128	0.1063	20.1744	-42.82			Cephei
930	UPM 1816-5844	UCAC4 Nearby Star Candidate Aug 2014	M			18	4.0515567	-58	-44.09261	44.146	0.0812	181.7245				Pavonis
931	APMPM J2330-4737	PM	M6e			23	30.269476	-47	-36.7514	44.152	0.6543	210.0461				
932	GJ 471 (BD+09 2636)		M0V		9.063111895	12	31.263353	8	48.636498	44.168	0.4777	230.3713	15.2			Virginis
933	G 204-39B	Brown dwarf	T6.5			17	58.090917	46	33.165167	44.176	0.3459	357.4937				

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
934	GJ 130.2 (Ross 370B)	PM Border line with Cassiopeiae	M2		10.55465179	3	16.231871	58	10.124537	44.182	0.3043	127.4793	22.3			Camelopardalis
935	WISE J073444.02-715744.0	Brown dwarf	Y0			7	34.7337	-71	-57.73417	44.206	0.3326	261.0024				
936	GJ 626 (BD+36 1970)	PM	M1V		9.532634434	9	31.941413	36	19.290191	44.225	0.3286	201.8146	19.97			Leonis Minoris
937	2MASS J15551573-0956055	Brown dwarf	L1.6V			15	55.262948	-9	-56.10074	44.236	0.7405	131.1139	15			
938	GJ 4062 (G 205-28)	PM	M3.5Ve		11.47813546	18	31.972918	40	41.18345	44.237	0.2463	12.6460				Lyrae
939	2MASSI J1534498-295227	Brown dwarf	T4.5+T5			15	34.830667	-29	-52.45667	44.266	0.1563	159.0896				
940	G 165-58	PM	M3.5Ve			14	15.939601	36	16.622721	44.296	0.1735	358.7701				
941	G 15189	Flare	M5V			4	33.566057	20	44.764034	44.302	0.3430	126.1703	-2			
942	GJ 146 (HD 22496)	B	K5	M0V	7.971249114	3	35.015664	-48	-25.14845	44.312	0.2955	307.2342	21.44			Horologii
943	UCAC4 307-049067	PM				8	38.562396	-28	-43.4391	44.345	0.0882	148.4916	18.28			
944	2MASS J03140344+1603056	Brown dwarf	M9.4V			3	14.057366	16	3.0912628	44.369	0.1446	257.1942				
945	GJ 615 (HD 145417)	PM	K3VFe-1.7		6.839164988	16	13.809308	-57	-34.23073	44.371	0.9597	211.1707	8		0.016	Normae
946	delta Cap (Deneb) Algedi Scheddi	B C D (delta scuti var)	A5mF2 (IV)		2.506338404	21	47.04063	-16	-7.639973	44.401	0.2302	138.5866	-3.4		0.02	Capricorni
947	L 473-1	PM	M3.5			13	20.064273	-35	-24.73199	44.441	0.5525	237.1633				
948	GJ 836 (LHS 513)	PM	M4		12.70759578	21	39.013517	-24	-9.466833	44.447	0.7230	125.2375	-796.908			Capricorni
949	LP 911-56	PM	M6			13	46.767449	-31	-49.42549	44.490	0.2200	65.2049				
950	APMPM J2331-2750	PM	M7.0V			23	31.362402	-27	-49.82678	44.502	0.4367	353.0838	-4			
951	GJ 3997 (BD+19 3268)	PM	M0.5Ve		9.554245454	17	15.835192	19	0.0012	44.551	0.0872	84.5212				Herculis
952	UCAC4 607-009514	PM	M4.5V			3	36.145039	31	18.658573	44.587	0.1019	138.9836	15			
953	GJ 400 (BD+39 2376)	B	K7	M0V	8.552312164	10	45.358113	38	30.705063	44.638	0.0885	13.1810	-3.2			Leonis Minoris
954	LP 463-23	PM	M5.5V			23	37.599743	16	22.054804	44.673	0.2133	99.9262	8			
955	GJ 4054 (G 227-28)	White dwarf	DA10		15.11325517	18	21.330519	61	1.1230619	44.679	0.4154	168.0454				Draconis
956	2MUCD 10176	Brown dwarf	L7			3	18.900617	-34	-21.487	44.691	0.2352	276.1054				
957	UPM 0402-0242B	UCAC4 Nearby Star Candidate Aug 2014	M			4	0.6350025	-2	-42.55849	44.700	0.0301	137.6666				Eridani
958	UPM J0617-3401	PM				6	17.785177	-34	-1.194399	44.734	0.0847	40.8512				
959	GJ 403 (LHS 295)	PM	M4V		12.28362729	10	52.0735	13	59.85	44.753	0.6588	79.9305	18			Leonis
960	GJ 3779 (Ross 1020)	PM	M4V		12.23169003	13	22.945798	24	28.060042	44.793	0.6178	215.4500	-19			Comae Berenices
961	GJ 4122 (LP 337-3)	PM	M1.5Ve		10.57177675	19	45.829137	32	23.227665	44.796	0.2567	296.6596	-16.8			Cygni
962	GJ 656 (HD 154577)		K2.5Vk		6.728695537	17	10.172516	-60	-43.72631	44.796	0.3453	353.1214	6.27		0.016	Arae
963	GJ 4279 (G 18-49)	PM	M3.5		12.50666248	22	0.0467693	6	0.5438245	44.800	0.1083	100.8137	34.343			Pegasi
964	GJ 3500 (LHS 2010)	PM	M3.5V		11.54759626	8	0.1972051	-44	-0.352063	44.857	0.2619	10.2365				Puppis
965	GJ 5 (HD 166)	By Draconis variable	K0V			0	6.6130682	29	1.2901732	44.888	0.2441	115.0412	-6.59		0.016	Trianguli
966	GJ 516 A	PM	M3.5Ve		11.31647697	13	32.743517	16	48.6465	44.889	0.1957	131.2404	-4.5			Comae Berenices
967	HIP 107427	PM	F5.5V			21	45.495773	-21	-33.5082	44.895	0.0787	124.9559				
968	GJ 1270 (LHS 524)	PM	M4V		12.54569149	22	29.814333	41	28.8	44.938	0.7413	290.8244	7			Lacertae
969	47 UMa	b, c & d planets	G1-VFe-0.5		4.29	10	59.466231	40	25.815373	44.969	0.1875	80.1741	11.42	3	0.06	Ursae Majoris
970	GJ 545 (Ross 848)	PM Border are with Librae	M3.5V		12.69759188	14	20.122843	-9	-37.22319	44.978	0.6030	215.9817	75			Virginis
971	L 106-15	PM				14	4.1362683	-66	-14.63465	45.087	0.2831	285.5617				
972	LP 788-1	PM	M6.5			9	31.37201	-17	-17.70541	45.137	0.2312	247.4956				
973	GJ 184 (BD+52 911)	Border line with Aurigae	M0.5Ve		9.196969887	5	3.3983568	53	7.7081307	45.156	1.1724	139.7383	65.8	1g	0.006	Camelopardalis

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
974	LEHPM 4459	PM	M5			22	13.841085	-63	-42.16683	45.187	0.1198	325.8298				
975	GJ 3336	Rotationally variable star	M2.5Ve		10.67666248	5	10.368275	48	50.5358	45.250	0.2464	156.5155	11.1			Aurigae
976	GJ 512A (Ross 486A)		M2V	M4	10.56463857	13	28.351325	-2	-21.61698	45.250	0.2967	162.5649	-16.71			Virginis
977	GJ 512B (Ross 486B)	PM	M4	M2V		13	28.358378	-2	-21.5277	45.256	0.3031	161.8383	-41.83			Virginis
978	UCAC4 298-027351	PM red / white dwarf stars Subasavage 2005				7	36.944741	-30	-24.27327	45.281	0.2472	148.2169				Puppis
979	UCAC3 223-23449	PM	M3.5Ve			4	42.931037	21	28.38259	45.288	0.0718	342.5760	-7.23			
980	theta 25 UMa	subgiant B	F6 IV	M6	2.520555777	9	32.856667	51	40.63333	45.294	0.6332	240.5205	14.6		0.044	Ursae Majoris
981	GJ 3637 (G 45-27)	PM	M5V		13.35364445	11	1.3276667	3	0.2866667	45.313	0.6638	110.8969	-9			Leonis
982	UPM 2303-4650	UCAC4 Nearby Star Candidate Aug 2014	M			23	0.893345	-46	-50.78507	45.351	0.1005	263.3192				Gruis
983	GJ 162 (HD 281621)		K7V		9.487672054	4	8.623316	33	38.22221	45.368	0.3152	283.4474	34.17			Persei
984	LP 489-3	PM				18	29.40401	-34	-57.754	45.370	0.1406	192.4259				
985	GJ 3631	Flare	M5.40			10	52.237492	5	55.163904	45.389	0.4061	265.0195	35.79			
986	GJ 133	PM	M2.0Ve		10.5106569	3	21.36299	79	58.035914	45.403	0.2916	305.0444	-13.52			Cephei
987	HIP 12261 (L 174-28)	PM	M3V		11.49684637	2	37.87832	-58	-45.2149	45.433	0.1298	338.9958	14.173			Horologii
988	alpha For	B	F6V	G7V		3	12.075489	-28	-59.25714	45.452	0.4163	329.8010	-17.14		0.053	Fornacis
989	HIP 17420 (HD 23356)	PM	K2V		6.361484829	3	43.919192	-19	-6.676796	45.465	0.2022	296.8870	25.379			Eridani
990	10 tau	PM	F9IV-V		3.6	3	36.873054		24.099715	45.490	0.3113	205.7644	27.87			Tauri
991	GJ 42 (HD 5133)		K2V		6.426597563	0	53.011926	-30	-21.41948	45.535	0.3612	272.9483	-13.021		0.033	Fornacis
992	HIP 52190 (L 465-84)	Double or multiple star	M2Ve			10	39.739136	-37	-55.22624	45.560	0.1348	125.1349	0			Antliae
993	GJ 3438 (Ross 987)	PM	M0V		9.530844246	7	18.136347	39	16.48852	45.570	0.1423	241.3633	9.75			Aurigae
994	UCAC4 601-052727	PM				14	55.190897	30	6.7565703	45.573	0.0563	141.2107				
995	GJ 4040 (G 204-39)	Rotationally variable star	M2.5V		11.12881012	17	57.849437	46	35.318756	45.582	0.3366	1.5039	-31.9			Herculis
996	SCR J1626-3812	PM				16	26.861358	-38	-12.54316	45.617	0.2287	228.8476				
997	UCAC4 211-005570	PM				5	5.2404783	-47	-56.25882	45.637	0.0411	69.2200				
998	GJ 899 (Wolf 1039)	Border line with Andromedae	M2/3V		10.44335166	23	34.055572	0	10.764599	45.647	0.7945	226.6416	-4.95			Piscium
999	UCAC4 538-050967	PM	M3.5Ve			10	15.898994	17	29.451172	45.662	0.1692	271.2301	128.53			
1000	GJ 853 (HD 211415)	B?	G0V	?	4.720550199	22	18.260224	-53	-37.62444	45.667	0.4473	144.9850	-12.74		0.057	Gruis
1001	V* AZ Cnc	Flare	M6.0V			8	40.49585	18	24.153	45.694	0.5401	241.0000	65.8			
1002	2MASS J14482563+1031590	Brown dwarf	L5.5			14	48.427325	10	31.983624	45.726	0.1462	117.3671	30			
1003	2MUCD 20320	Brown dwarf	L7			8	57.974686	57	8.8579952	45.739	0.3290	226.1365	156			
1004	HIP 28035 (LP 837-53) 2MASS J05554318-2651233	PM	M2.5V		9.880987404	5	55.720238	-26	-51.39018	45.739	0.1832	91.7469	61.62			Leporis
1005	GJ 104 (BD+19 381)		M3V		9.934565112	2	35.888448	20	13.193056	45.784	0.1668	119.3255	0.63			Arietis
1006	GJ 655 (Ross 863)		M3V		10.95439723	17	7.1248316	21	33.241153	45.784	0.2700	266.8578	-50.71			Herculis
1007	2MASS J10132597-7842551	Brown dwarf	L3			10	13.432865	-78	-42.91896	45.797	0.1536	177.1041				
1008	Gliese 127.1B	PM	G7V		14.69718115	3	12.069994	-68	-59.21703	45.805	0.4208	331.6700	-23.59		0.042	Hydrae
1009	GJ 529 (HD 120467)	Border line with Corvi	K6Va		7.410637553	13	49.746773	-22	-6.665564	45.810	1.0579	254.2324	-37.724		0.042	Virginis
1010	GJ 1182 (L 1052-3)		M5.69		13.58062222	14	15.542497	4	39.523552	45.814	0.6218	224.1848				Virginis
1011	2MASS J02150802-3040011	Brown dwarf	M8			2	15.134042	-30	-40.02328	45.816	0.4939	115.1174				
1012	LHS 2385	PM	M3.5			11	16.62721	-27	-57.32068	45.823	0.5457	211.1971				
1013	GJ 310 (BD+67 552)	Double or multiple star	M0.5Ve	?	8.585455773	8	36.4241	67	17.697526	45.826	0.6195	86.5923	13.14			Ursae Majoris

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
1014	HD 61606B	PM	K7V			7	40.048357	-3	-36.22048	45.836	0.1712	167.0524	-19.01			Monocerotis
1015	HIP 36985 (BD-2 2198)	PM	M1.0V		9.090832052	7	36.117606	-3	-6.609808	45.836	0.1733	166.7589	-17.19			Monocerotis
1016	GJ 1046 (L 440-30)	PM	M2.5V		10.89335166	2	19.16799	-36	-46.68544	45.849	0.8721	291.4072	45.4			Fornacis
1017	2MASS J10073369-4555147	Brown dwarf	T5			10	7.56165	-45	-55.24517	45.887	0.4297	78.3858				
1018	GJ 767A (HD 331161A)		M0.5V		9.522409088	19	46.405217	32	0.9468333	45.887	0.3542	130.2032	-5.4			Cygni
1019	GJ 767B (HD 331161B)		M2.5V		10.47240909	19	46.399833	32	1.0108333	45.887	0.3591	130.2691	-6.3			Cygni
1020	G 184-24	PM	M4.0V			18	45.382471	18	51.975589	45.907	0.1728	207.8411	19			
1021	GJ 282A (HD 61606)	By Draconis variable, B	K0/2V	K0/2V	6.439096736	7	39.988809	-3	-35.85043	45.938	0.1669	165.8500	-18.15		0.033	Monocerotis
1022	GJ 3061	PM	M		12.55629174	0	50.552283	24	49.027167	45.938	0.1180	101.8639				Piscium
1023	GJ 684A (26 Dra A)		G0IV-V		7.315679975	17	34.992983	61	52.4725	45.951	0.3401	153.0010	-15		0.057	Draconis
1024	GJ 684B (26 Dra B)	C	K3V	red dwarf	9.224761999	17	34.991967	61	52.4975	45.951	0.3458	152.1759	-15			Draconis
1025	GJ 481 (HD 110315)	PM	K4.5Vk		7.18362814	12	41.106811	15	22.600052	45.959	0.2246	163.7917	24.794		0.033	Comae Berenices
1026	GJ 770 Sgr (242 G. Sgr) (V4200) (HD 188088)	BY Draconis variable	K3/K4V		5.46	19	54.295755	-23	-56.46438	45.960	0.2495	196.8712	-5.266		0.02	Sagittarii
1027	GJ 3780	Flare star	M3.5		12.38813546	13	23.633835	-25	-54.75239	46.010	0.3816	249.3842				Hydrae
1028	2MASS J00001354+2554180	Brown dwarf	T4.5			0	0.2256667	25	54.301667	46.017	0.0757	357.3575				
1029	UPM 1709-5957	UCAC4 Nearby Star Candidate Aug 2014	M			17	2.4430214	-59	-57.6255	46.036	0.0430	215.7539				Arae
1030	18 Sco	solar analog	G2V		4.755447649	16	15.621173	-8	-22.16637	46.038	0.3183	154.8894	11.9		0.057	Scorpii
1031	GJ 3614 (EGGR 535)	White dwarf	DQ10P		15.65424545	10	38.926166	-20	-40.94721	46.041	0.3618	27.5814				Hydrae
1032	UCAC4 423-005428	PM	M3.5V			4	6.1145824	-5	-34.74359	46.043	0.0856	170.8571	-7.79			
1033	tau 1 Eri		F7V		3.733351659	2	45.103391	-18	-34.35798	46.053	0.1852	279.1357	25.9		0.036	Eridani
1034	CD-43 9546	SB	M3Ve			15	1.2750172	-43	-39.51853	46.082	0.0573	287.8528	-6.1			
1035	UCAC3 281-106425	PM	M4.0V			7	47.231136	50	20.641667	46.082	0.0473	11.9848				
1036	GJ 739 (CD-48 12818)	PM	M3		10.43877261	18	59.12431	-48	-16.46775	46.112	0.2997	162.9716	15.4			Telescopii
1037	HD 188088B	PM	M5			19	54.344021	-23	-56.67589	46.147	0.2482	197.3309				
1038	UCAC4 230-189452	PM				21	36.421736	-44	-1.00131	46.187	0.4858	144.4880				
1039	LHS 5226	PM	M4.5V			12	44.012333	-11	-10.50648	46.226	0.2927	252.3096	-13.28			
1040	2MASSI J1300425+191235	Brown dwarf	L1.7V			13	0.7092	19	12.591167	46.278	0.8519	212.7893	-17.6			
1041	HIP 81935 (HD 150686)	PM	K3V		6.732422122	16	44.250519	-38	-56.60932	46.297	0.0369	198.7761	-19.26		0.033	Scorpii
1042	2MASS J10384782-8632441	PM				10	38.795796	-86	-32.73209	46.305	0.1521	229.2801				
1043	UPM 0838-2843	UCAC4 Nearby Star Candidate Aug 2014	M			8	9.6405922	-28	-43.43975	46.329	0.0882	148.4916				Puppis
1044	GJ 2130B (HD 318327B) (CD-32 13298)	B 86963 (part of GJ 2130)	M2V	M2V	11.53448993	17	46.211053	-32	-6.166397	46.390	0.1419	192.5765	-27.2			Scorpii
1045	Wolf 433	PM	M3.5Ve			12	38.874016	11	41.769096	46.397	0.6880	257.7445	-4.16			
1046	psi Cap (Pazan) Pazhan	dwarf	F5 V			20	46.0955	-25	-16.25333	46.410	0.0963	198.3129	25.6			Capricorni
1047	UCAC4 872-007094	PM	M5.0V			19	16.414778	84	13.68166	46.417	0.0916	17.4298				
1048	GJ 532 (HD 234078)	PM Border area with Canum Venaticorum	K7V		8.16818691	13	52.005499	49	57.054586	46.423	0.2591	108.2136	-45.5		0.042	Ursae Majoris
1049	GJ 552 (BD+16 2658)	PM	M2/3V		9.907350665	14	29.494956	15	31.958312	46.425	0.9737	39.0646	7.84			Boötis
1050	2MASS J05565722+1144333	PM	M5.5V			5	56.953884	11	44.552718	46.437	0.3638	123.2157	160			
1051	GJ 726 (HD 173818)	PM	K5V		8.060166288	18	47.454176	-3	-38.39001	46.448	0.1775	205.6819	15.629		0.042	Aquilae

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
1052	GJ 282 (HD 61606)	BY Dra Type variable, B	K0/2V	K7V	8.179096736	7	40.049101	-3	-35.89656	46.449	0.1669	165.8500	-18.15		0.042	Monocerotis
1053	20 Lmi B	PM	M6.0V			10	0.8384333	31	55.766	46.476	0.3042	231.2889	56			Leonis Minoris
1054	LHS 1490	PM				3	2.1059401	-39	-50.86517	46.476	0.4915	220.3081				
1055	UCAC4 635-007344		M4.5V			2	13.343184	36	48.842279	46.530	0.0536	314.7832	30.92			
1056	WISEA J033515.07+431044.7	Brown dwarf	T9			3	35.250167	43	10.751667	46.543	0.2230	214.7995				
1057	LP 831-1	PM	M3			2	54.658571	-22	-15.97526	46.576	0.2273	100.8742				
1058	GJ 3943 (LHS 3167)		K-m		12.9754902	16	13.10039	-70	-9.118233	46.595	0.4653	198.5935				Eridani
1059	LHS 2613	PM	M4.0V			12	42.831412	41	53.785689	46.609	0.3203	85.7609	18.72			
1060	CD-28 16676	PM	M3			20	27.694281	-27	-44.86241	46.623	0.5230	192.9322	-4.5			
1061	G 173-37	PM	M3.5V			2	7.0642623	49	38.72444	46.636	0.2840	151.2958				
1062	2MASS J05011802+2237015	PM	M5V			5	1.3002942	22	37.015253	46.643	0.2075	190.0886	27			
1063	BD+61 1678C	PM	M1V			17	35.574643	61	40.893776	46.656	0.3358	153.0181	-15.18			
1064	L 374-6	Flare	M3			4	24.936584	-40	-2.79319	46.670	0.3921	183.3340				
1065	L 37-56	PM	M3			10	47.644757	-79	-27.76723	46.683	0.2867	245.4309	-285.18			
1066	2MASS J06134717-2354250	UCAC4 Nearby Star Candidate Aug 2014	M			6	3.4465839	-23	-54.41428	46.720	0.0665	17.2613				Leporis
1067	LP 846-15	PM				9	34.465562	-26	-43.44663	46.723	0.1717	94.2990				
1068	GJ 528A (HD 120476A)	Flare star	K4V		6.934038145	13	49.071258	26	58.807757	46.736	0.2497	256.4518	-20.5			Boötis
1069	eta Cep (Al Agemim) Al Agimim		K0IV		2.647098326	20	45.28955	61	50.326989	46.767	0.4786	353.9279	-87.45	2g	0.016	Cephei
1070	2MASS J14392836+1929149	Brown dwarf	L1			14	39.472817	19	29.249667	46.810	0.7561	71.9833	-26.74			
1071	GJ 611A (HD 144579)	PM	G8V		5.873358169	16	4.9537152	39	9.3828756	46.819	0.3336	84.7346	-59.381		0.033	Coronae Borealis
1072	GJ 714 (CPD-58 7400)	PM	Mw1		9.050530472	18	30.200103	-58	-16.45797	46.846	0.2604	183.5723	-1.7			Pavonis
1073	GJ 130.1 (Ross 370)	Border line with Cassiopeiae	M0V		10.27465179	3	16.230236	58	10.042993	46.871	0.3126	127.0403	21.2			Camelopardalis
1074	GJ 3564 (Ross 93)		M3.5Ve		11.29371591	9	43.926892	26	58.140148	46.880	0.3414	260.0666	34.3			Leonis
1075	theta Boö Asellus Primus		F7 V		3.22	14	25.196583	51	51.044351	46.887	0.2692	210.4978	-11.6		0.048	Boötis
1076	LHS 117	PM	M5V			0	35.925345	10	28.591898	46.898	0.6698	109.5333	24			
1077	TYC 3135-52-1	PM	M3.0V			19	35.486713	37	46.13558	46.898	0.0945	235.4146	-33.3			
1078	GJ 4073 (LP 229-30)	Flare star	M7.5Ve		17.48016629	18	43.368759	40	40.35565	46.907	0.3512	11.5105	-19.3			Lyrae
1079	GJ 154 (HD 23453)		M1V		8.792253569	3	46.335665	26	12.930365	46.912	0.2525	116.9146	35.7		0.042	Tauri
1080	GJ 611B (HD 144579B)	PM	M4V		13.44335817	16	4.8476384	39	9.5986573	46.925	0.3198	84.2583	-59			Coronae Borealis
1081	GJ 813 (Wolf 1373)		M3V		11.33374168	20	57.422594	22	21.763465	47.005	0.4647	105.4851	-32.2			Vulpeculae
1082	GJ 763 (HD 184489)	PM	M0V		8.557075963	19	34.664003	4	34.950811	47.006	0.3546	300.6949	-59.07		0.042	Aquilae
1083	GJ 3520 (LHS 2088)	PM Border line with Camelopardalis	M5V		13.6306569	8	59.936711	72	57.604603	47.009	0.5597	91.9371	7.3			Ursae Majoris
1084	GJ 3971	Flare star	M7V		15.0310892	16	40.34377	67	36.078879	47.028	0.2595	35.9707	-15			Draconis
1085	V* 3pi.01UMa	Muscida BY Draconis variable	G1.5Vb		4.867660587	8	39.195704	65	1.2415788	47.081	0.0533	17.2346	-13.03		0.057	Ursae Majoris
1086	LHS 2608	PM	M3.5			12	42.327236	-71	-38.33522	47.081	0.4396	268.9226				
1087	LP 587-50	PM	M5V			1	22.753583	0	32.084667	47.081	0.3378	202.3694	-5			
1088	GJ 3181 (LP 411-6)	PM	M6		15.98062917	2	46.581017	16	25.193333	47.081	0.5890	235.8704				Arietis
1089	UPM 0415-4602	UCAC4 Nearby Star Candidate Aug 2014	M			4	3.9545317	-46	-2.398164	47.111	0.0742	227.0341				Horologii
1090	LP 731-76	PM	M5.0V			10	58.466474	-10	-46.50833	47.115	0.1223	246.4902	11			

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
1091	GJ 816 (Wolf 906)	PM	M2.5V		10.52779286	21	1.9773497	-6	-19.12462	47.122	0.2899	207.4968	-14.1			Aquarii
1092	2MASS J10381517-4933446	PM				10	38.253095	-49	-33.74208	47.149	0.3772	209.3293				
1093	GJ 1035 (LHS 140)		M5		14.09255541	1	19.869564	84	9.5466529	47.171	0.6347	64.1613	-41.01			Cephei
1094	GJ 1177 (HD 120036)	B	K6	K7V	8.314245454	13	47.703626	-32	-25.88538	47.211	0.0536	105.8558	-5.7			Centauri
1095	GJ 3866 (LP 801-9)	White dwarf	DC10		15.67424545	14	47.424667	-17	-42.25333	47.217	0.6656	252.6579				Librae
1096	GJ 792 (Ross 188)	PM	M5V		12.5908404	20	31.426883	38	33.720667	47.217	0.4334	344.2659	-22.935			Cygni
1097	GJ 218 (CD-36 2458)	PM	M1.5		9.850954703	5	47.676316	-36	-19.71391	47.230	0.4523	99.1055	25.19			Columbae
1098	GJ 3965 (PG 1633+434)	White dwarf	DAZ7.6		13.93410823	16	35.023818	43	17.605769	47.238	0.2194	143.1496				Herculis
1099	GJ 875 (HD 216133)+B839		M0.5V		9.119403251	22	50.323737	-7	-5.404682	47.247	0.0866	45.7080	-6.03		0.042	Aquarii
1100	eta Lep	PM	F2V		-1.02	5	56.40488	-14	-10.06208	47.267	0.0846	16.2995	-2.14			Leporis
1101	iota UMa	Talitha Borealis, Dnoces quadruple star Gl033100B	A7IV	M1 J	2.312739288	8	59.20756	48	2.5095683	47.272	0.2857	243.9907	9			Ursae Majoris
1102	iota Uma B	C, D	M1V	?	9.972739288	8	59.2077	48	2.5065	47.272	0.2855	243.9920	15			Ursae Majoris
1103	GJ 334 (BD-08 2582)	PM	K7V		8.699835092	9	6.7588182	-8	-48.44077	47.294	0.2149	55.4868	36.62			Hydrae
1104	GJ 546 (BD+30 2512)	PM	K6V		7.757735826	14	21.953604	29	37.776953	47.313	0.4090	243.9684	-36.962		0.042	Boötis
1105	UCAC4 828-015554	PM	M4.0V			14	31.223812	75	26.703929	47.320	0.1171	260.6128	5.9			
1106	GAT 1383	PM	M5.5V			21	24.538613	40	3.9948858	47.327	0.4060	308.9887	-60			
1107	NLTT 14748	PM				5	16.891252	56	40.320287	47.334	0.2512	161.0049				
1108	theta Boö B		M2.5V		10.68256999	14	25.193007	51	49.885085	47.362	0.2733	210.6561	-12.73			Boötis
1109	HIP 79431 (LP 804-27)	PM	M3V		10.47458324	16	12.696337	-18	-52.53019	47.366	0.1262	170.5293	-4.656	1g	0.01	Scorpii
1110	72 Her (*w Her)	PM	G0V		4.599299049	17	20.659459	32	28.064622	47.386	0.6107	172.5708	-78.53			Herculis
1111	UCAC4 647-003515	PM	M4.5V			0	58.019353	39	19.185734	47.410	0.0637	76.6355	34.99			
1112	GJ 1214	PM	M4.5V		14.1137048	17	15.315667	4	57.828333	47.417	0.5543	142.1197	16			Ophiuchi
1113	GJ 898 (HD 221503)	PM	K6V		7.877595778	23	32.823307	-16	-50.73871	47.424	0.2358	122.7087	-0.96			Aquarii
1114	LP 624-54	PM	M5.0V			16	14.419968	-2	-51.01262	47.424	0.2140	1.1251	12.8			
1115	GJ 201 (* 111 Tau B)	PM	K4V		7.16803236	5	23.639658	17	19.44703	47.451	0.1461	91.3187	38.09		0.053	Tauri
1116	UCAC4 210-027908	PM				8	44.647987	-48	-5.349693	47.451	0.4987	22.0743				
1117	GJ 469 (Wolf 414)		M4V		11.39939892	12	28.960063	8	25.518319	47.479	0.4028	249.7016	-6.2			Virginis
1118	HD 120036B	PM	K7V			13	47.714096	-32	-25.85114	47.486	0.0615	126.4258	-4.79			
1119	2MASS J16150413+1340079	Brown dwarf	T6			16	15.068917	13	40.132167	47.493	0.2399	141.3098				
1120	UCAC3 78-13410	PM				5	27.509461	-51	-29.2635	47.507	0.1903	5.8299				
1121	111 Tau	BY Draconis variable	F8V SB		4.158603452	5	24.424383	17	23.012151	47.518	0.1460	91.6748	37.7			Tauri
1122	GJ 3270	Flare star	M5V		13.70861803	4	17.308888	8	49.366914	47.525	0.2355	161.1174	14			Tauri
1123	L 154-205	PM				16	47.919233	-65	-9.193326	47.527	0.2117	106.0751				
1124	G 36-26	PM	M5.0V			2	36.735457	22	40.436658	47.548	0.2190	185.7575	-3.4			
1125	GJ 269A (HD 57095A)	B	K1V	K4V	6.30262257	7	17.492699	-46	-58.75459	47.548	0.3403	1.7867	59		0.033	Puppis
1126	L 257-129	PM				13	22.078778	-55	-0.985585	47.548	0.1743	243.1729	18.54			
1127	2MASS J10433508+1213149	Brown dwarf	L9			10	43.584733	12	13.2495	47.562	0.1371	173.6652	273			
1128	G 154-52	PM				18	15.207074	-19	-24.11107	47.562	0.2397	164.6426	32.67			
1129	GJ 3892 (Ross 1047)	PM Border line with Serpentis	M2V		10.65393072	15	9.5932039	10	0.0091934	47.566	0.4485	51.3611	-32.4			Boötis
1130	L 291-115	PM	M5			0	33.22515	-47	-33.27528	47.583	0.1812	297.1750				
1131	GJ597 (Ross 1057)	BY Draconis variable	M3.5Ve		11.64029324	15	41.275916	75	59.56365	47.666	0.6314	134.3246	-10.1			Ursae Minoris
1132	USNO-B1.0 1402-00308413	Brown dwarf	L1			18	7.2656283	50	15.527235	47.680	0.0809	169.8572	-0.36			

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
1133	2MASS J13464634-0031501	Brown dwarf	T6.5			13	46.772417	0	31.8355	47.701	0.3001	257.2302				
1134	GJ 2130 (HD 318327)	PM (Red dwarfs) B C	M3.5 V	M2 V, M2 V	11.53	17	46.208353	-32	-6.211717	47.708	0.2253	214.7206	-28.99			Scorpii
1135	LP 412-31	PM	M8V			3	20.995179	18	54.379534	47.715	0.2541	126.0760	46.4			
1136	LHS 2025	PM	M4.0Ve			8	31.501986	73	3.762975	47.757	0.3895	294.0681				
1137	LSPM J1341+0500	PM				13	41.363304	5	0.7641735	47.771	0.2503	87.4895				
1138	NLTT 23096	PM	M4.5V			9	58.941833	5	58.001667	47.771	0.1145	249.1714	33.18			
1139	GJ 259 (HD 52698)		K1V		5.885915349	7	1.2267738	-25	-56.92894	47.804	0.1256	280.8868	12.42			Canis Majoris
1140	G 140-51	PM	M5V			18	16.52567	4	52.762964	47.806	0.2537	20.9188	-51			
1141	GJ 796 (HD 196761)	PM	G7.5IV-V		5.531467562	20	40.195911	-23	-46.43208	47.817	0.3964	312.6157	-41.904		0.033	Capricorni
1142	WT 84	PM	M5.5Ve			2	17.473956	-59	-22.72809	47.855	0.3041	207.7793				
1143	UPM 0409-4435	UCAC4 Nearby Star Candidate Aug 2014	M			4	9.5390627	-44	-35.65692	47.862	0.0680	8.3001				Horologii
1144	GJ 420A (HD 97584A)	B PM	K4V	M2.5Ve	6.846691945	11	15.198367	73	28.512333	47.874	0.2424	74.6327	8.4		0.042	Draconis
1145	GJ 14 (BD+40 45)	PM	M05V		8.120954703	0	17.106231	40	56.89782	47.887	0.3336	278.3785	2.881			Andromedae
1146	GJ 289 (Wolf 1421)		M1.5Ve		10.70832528	7	48.273098	20	22.087541	47.887	1.0221	124.3861	52.3			Geminorum
1147	GJ 3252 (LP 593-68)	Flare star	M8.0V		17.18892187	3	51.000456	0	52.748655	47.891	0.2736	178.6496	-11			Tauri
1148	2MASSW J1036530-344138	Brown dwarf	L9			10	36.884343	-34	-41.63971	47.898	0.2602	184.2317				
1149	GJ 781.1B (LHS 3524)	PM	M2V		11.67813583	20	7.8008699	-31	-45.48454	47.906	0.4676	159.0437	1.8			Sagittarii
1150	GJ 3770 (ER 8)	White dwarf	DC9+		16.19973348	13	12.927233	-47	-28.1395	47.912	1.2379	268.4380				Centauri
1151	LP 768-113	PM	M3.5e			1	33.96669	-17	-38.3968	47.940	0.1111	166.9388	-5.3			
1152	GJ 123 (HD 19305)	PM	M0V		8.24262257	3	6.4456199	1	57.910467	47.990	0.5838	157.1823	-30.78			Tauri
1153	GJ 604 (HD 142709)	Border line with Lupi	K4V		7.218284984	15	57.679063	-42	-37.45404	47.997	0.1862	233.3872	35.82		0.042	Normae
1154	2MASSI J0423485-041403	Brown dwarf	L6.5+T2			4	23.809731	-4	-14.0538	48.011	0.2061	78.5733				
1155	LP 315-42	White dwarf	DQ			10	11.692957	28	45.98452	48.060	0.4212	189.9226	0			
1156	GJ 738B (HD 176051B)	PM	K1V			18	57.025599	32	54.083618	48.067	0.1496	137.6819				Lyrae
1157	LP 191-43	PM	M5.5V			0	8.9194689	49	18.938671	48.089	0.2366	299.8265				
1158	GJ 116 (BD+33 529)	Border line with Trianguli	K5		8.781376212	2	52.118955	34	23.361116	48.098	0.8171	134.8432	-50.03			Persei
1159	GJ 233 (HD 45088)	By Draconis variable	K2Ve		5.928921873	6	26.1709	18	45.41308	48.102	0.1175	217.8958	-8.4		0.016	Geminorum
1160	LP 278-42	PM	M5V			17	51.592593	37	49.58796	48.117	0.2098	14.4302	-21			
1161	23psi Ser	Gl0596.1B	G5V		5.027647909	15	44.030316	2	30.910013	48.120	0.0834	197.3613	19.12		0.055	Serpentis
1162	GJ 1059 (LHS 1541)		M5V		14.40788874	3	23.029355	42	0.4474923	48.125	0.4312	158.2318	-20			Persei
1163	2MASSI J2325453+425148	Brown dwarf	L8			23	25.755103	42	51.806231	48.167	0.1683	188.2466				
1164	G 192-22	PM	M3.5Ve			6	14.039356	51	40.134537	48.174	0.2248	255.1799	59.05			
1165	GJ 712 (Ross 136)	PM Border line with Ophiuchi	M4V		11.77739024	18	22.111271	6	20.626368	48.199	0.6632	85.2197	-45			Serpentis
1166	SCR1630-3633	PM red / white dwarf stars Subasavage 2005	M			16	30.454833	-36	-33.93333	48.218	0.4130	249.2000				Scorpii
1167	LP 726-1	White dwarf	DZ10			8	42.807748	-13	-47.22013	48.231	0.1554	264.6425				
1168	GJ 3001 (LHS 1008)	White dwarf	DC9		14.2810892	0	2.6682467	-34	-13.65989	48.238	0.4522	168.7072				Eridani
1169	GJ 4338 B	Flare star	M4.2V		11.58651886	23	29.376701	41	27.867529	48.241	0.2368	96.1128	-14.5			Andromedae
1170	G 50-6	PM	M4.5V			7	51.856425	5	32.952805	48.245	0.3511	132.7787	108.27			
1171	WG 22	White dwarf	DA4.2			12	38.829689	-49	-48.00364	48.252	0.3270	262.4264	-21.1			
1172	nu 2 Lup	PM	G3/5V		4.834783685	15	21.802495	-48	-19.0578	48.260	0.9578	260.3597	-66.5		0.057	Lupi
1173	GJ 833 (HD 205390)		K1V		6.29774926	21	36.68739	-50	-50.72314	48.265	0.2724	115.2122	26.92		0.033	Indi

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
1174	GJ 794 (HD 340611)	White dwarf	DA2.4		10.72679735	20	34.36475	25	3.8291595	48.270	0.4032	215.6222	71			Vulpeculae
1175	GJ 364A (HD 84117A)	PM	G0V	F9V	4.066523205	9	42.244525	-23	-54.97252	48.289	0.2784	56.6533	34.98		0.057	Hydrae
1176	GJ 364B (HD 84117B)		F9 V	G0V		9	42.240275	-23	-54.93423	48.289	0.2784	56.6533	34.98			Hydrae
1177	GJ 613 (HD 144628)	PM	K2V		6.324917351	16	9.7132404	-56	-26.70907	48.331	0.2096	22.0214	36.56		0.02	Normae
1178	HD 218511	PM	K6V			23	9.6825159	-67	-43.96936	48.338	0.2230	236.0987	4.62			
1179	GJ 1279	PM Near border area of Tucanae	G1.5V		7.499531887	23	3.955254	-67	-36.48203	48.341	0.2230	236.0987	4.62		0.042	Indi
1180	L 358-24	PM				23	3.5933912	-46	-50.78324	48.367	0.1005	263.3192	7.56			
1181	GH 630.1 (V* CM Dra)	By Draconis variable	M4.5V		12.09424545	16	34.338832	57	9.7394254	48.381	0.9444	43.3127	-118.24			Draconis
1182	EGGR 258	White dwarf	DQ8			16	34.359196	57	10.1478	48.396	0.9511	42.8053	3.4			Draconis
1183	2MASS J13314894-0116500	Brown dwarf	T0			13	31.815767	-1	-16.83433	48.410	0.6524	202.1003	21			
1184	CD-51 13128	Flare	M2Ve			21	57.686731	-51	-0.370673	48.417	0.2219	185.3406	-8.1			
1185	WG 39	White dwarf	DQ7			21	57.639279	-51	-0.52537	48.446	0.2327	186.6300				
1186	2MASS J12035812+0015500	Brown dwarf	L5.0V			12	3.9688765	0	15.835146	48.453	0.7272	256.9328	27			
1187	2MASS J15402966-2613422	PM				15	40.493521	-26	-13.71584	48.453	0.9383	225.4744				
1188	LP 374-39	PM	M5.0V			11	23.133367	25	53.616833	48.482	0.6118	252.3404				
1189	GJ 3693	Flare	M8V			11	53.877917	6	59.937636	48.497	0.5516	160.6161	0			Virginis
1190	LHS 3844	PM	M:			22	41.968622	-69	-10.13868	48.518	0.4713	155.6497				
1191	alf Oph (Rasalhague)	Ophiuchi B C	A5 III		1.3	17	34.934491	12	33.602243	48.533	0.1434	153.9994	11.7		0.042	Ophiuchi
1192	CD-26 16501	PM	M2V			23	10.262404	-25	-55.8784	48.562	0.4167	272.0180	-6.75			
1193	GJ 781.1A (CD-32 15723)	Flare star	M4Ve		11.42813583	20	7.749622	-31	-45.23907	48.569	0.4674	159.1043	0.5			Sagittarii
1194	GJ 3873 (Ross 1041)		M3.5Ve		11.98249226	14	54.465123	35	32.950025	48.576	0.4970	169.9336				Boötis
1195	GJ 43370A	Flare star	M2.9V		11.00684637	23	29.391243	41	28.112216	48.596	0.2398	95.9955	-15.2			Andromedae
1196	HD 36705B		M5+M5-6			5	28.741389	-65	-26.76724	48.605	0.0828	332.2046				
1197	HD 43162B		M3.5			6	13.756951	-23	-52.12391	48.620	0.0635	14.9280	22.9			
1198	20 LMi	PM	G3VaHdel1			10	1.0109463	31	55.420281	48.627	0.3964	230.9080	55.96			Leonis Minoris
1199	LP 449-10	PM	M4.0V			18	6.8093872	17	20.786231	48.634	0.0972	353.0829	-46.54			
1200	GJ 589A (Ross 513)	B (Ross 513B)	M2.5V	M4.5V	11.64168556	15	35.342022	17	42.781354	48.653	0.7111	262.2729	-42			Serpentis
1201	GJ 3118 B (EGGR 268)	White dwarf	DA5.6		13.63037401	1	51.850867	64	25.898	48.681	0.1660	123.8571				Cassiopeiae
1202	alpha Crv (Alchiba)		F1V		3.173264069	12	8.4136162	-24	-43.73224	48.718	0.0615	112.9408	2.8			Corvi
1203	31 Aql		G7IVvar		4.258048664	19	24.970004	11	56.664705	48.737	0.5622	311.7422	-100.25		0.033	Aquilae
1204	GJ 6378 (BD+48 1829)	PM	M1V		9.204906685	10	2.3625274	48	5.3281194	48.743	0.9338	203.2295	-10.29			Ursae Majoris
1205	GJ 589B (Ross 513B)	PM	M4.5V			15	35.338841	17	43.073574	48.743	0.7107	261.9613	-42			Serpentis
1206	G 251-58	PM	M5V			8	13.742552	79	18.190965	48.758	0.3131	220.7308	4.4			
1207	GJ 4026 (LHS 3324)	PM	M4V		11.87053047	17	46.077521	24	39.082025	48.803	0.3662	36.1316	-80			Herculis
1208	GJ 1171 (G 149-94)	PM	M5V		13.92739024	13	30.517723	19	9.5675894	48.807	0.8021	201.4263	-21			Comae Berenices
1209	GJ 3053	PM Borderline with Ceti	M4.5		13.48666248	0	44.988858	-15	-16.29239	48.846	0.3932	151.9732				Eridani
1210	GJ 1021 (HD 4391)		G3V		4.927779661	0	45.757233	-47	-33.13054	48.850	0.1164	293.3511	-11		0.055	Tucanae
1211	G 15-2	PM	M3.0Ve			15	1.3351293	5	32.925653	48.853	0.2620	169.3165				
1212	GJ 483 (HD 110833)	PM	K3V		6.150840397	12	44.242413	51	45.556206	48.866	0.2489	244.5461	9.51		0.02	Canum Venaticorum
1213	SIPS J1309-2330	PM	M7Ve			13	9.3642866	-23	-30.59597	48.868	0.2229	177.5282	15			
1214	UCAC3 85-1637	PM				0	45.692789	-47	-33.51386	48.934	0.0422	320.0326	-8.94			
1215	GJ 738 (HD 176051A)	B	F9V	K1V	6.82258164	18	57.027251	32	54.078683	48.938	0.1234	128.7691	-42.73		0.006	Lyrae

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
1216	NLTT 55174	PM	M4.5V			22	52.661597	75	4.3140346	48.941	0.1051	136.8884	-20.2			
1217	LP 779-10	PM	M3.5			6	2.3769365	-20	-19.73565	48.978	0.3239	4.6719				
1218	2MASS J07420130+2055198	Brown dwarf	T5			7	42.021667	20	55.331667	48.992	0.2288	234.2083				
1219	2MASS J16151006+3151495	PM	M5.0			16	15.167717	31	51.826333	48.992	0.4427	179.7741				
1220	alpha Cep (Alderamin)	(red giant)	A7IV-V		1.565182206	21	18.576359	62	35.127317	48.992	0.0916	287.8480	-11.5			Cephei
1221	LHS 5348	PM				19	27.878632	-28	-11.2633	49.000	0.2690	170.5304				
1222	GJ 818 (HD 200779)		K6V		7.442655033	21	5.3291012	7	4.1578844	49.018	0.3312	172.0709	-66.67		0.042	Equulei
1223	2MASS J10484281+0111580	Brown dwarf	L1			10	48.713581	1	11.970358	49.022	0.2892	242.2531	-3			
1224	L 404-10	PM				14	17.431393	-40	-18.25541	49.044	0.2263	88.1921				
1225	GJ 845.1 (V* GT Peg)	BY Draconis variable	M3.5V			22	51.892253	31	45.253259	49.051	0.3060	95.2896	-2.5			Pegasi
1226	GJ 281 (BD+02 1729)		M0.0Ve		8.749107138	7	39.383979	2	11.019958	49.058	0.1667	210.8814	20.23			Canis Minoris
1227	16 eta Lep		F1V		2.833128394	5	56.405305	-14	-10.08228	49.069	0.0846	16.2995	-2.14			Leporis
1228	GJ 3550 (LHS 2126)	PM Border line with Ursae Majoris & Ursae Minoris	M5V		14.71759626	9	21.323034	73	6.6428607	49.079	0.5670	249.3965	62			Camelopardalis
1229	GJ 53 (BD+63 137)	PM	K7V		8.092801685	1	7.136634	63	56.479609	49.091	0.9189	281.6565	2.12			Cassiopeiae
1230	G 108-21	PM	M3V			6	42.186564	3	34.877105	49.103	0.1525	170.7726	82			
1231	2MASS J00044144-2058298	PM, b	M8			0	4.6911288	-20	-58.49798	49.118	0.4439	276.4112	-33	1	0.2	
1232	GJ 521.1 (HD 118926)	PM	K5V		8.777942191	13	40.118862	-4	-11.16641	49.120	0.3588	38.6782	28.02			Virginis
1233	GJ 3357 (Wolf 1457)		M4		12.28813546	5	36.001307	-7	-38.97387	49.137	0.2789	346.7131				Orionis
1234	19 Dra		F6Vvar		3.996912499	16	56.028333	65	8.0833333	49.144	0.1409	281.9323	-21		0.044	Draconis
1235	GJ 326A (L 820-19)	B	M3.5V	?	11.70478369	8	54.08876	-13	-7.511289	49.170	0.3884	150.0315	-25.7			Hydrae
1236	SIPS J2016-7531	PM				20	16.187445	-75	-31.07563	49.200	0.1480	278.5005				
1237	UCAC3 167-4762	PM				1	43.977314	-6	-54.82467	49.200	0.0474	306.0513	16.53			
1238	L 841-9	PM	M2.5V			15	47.410717	-10	-53.78972	49.207	0.2819	223.2742	-0.7			
1239	GJ 163	2 planets	M3.5			4	9.2611383	-53	-22.42157	49.244	0.6972	299.1876	36.9	2g	0.01	Draconis
1240	GJ 2128 (G 139-27)		M2.5V		10.61777966	17	16.683017	8	3.503401	49.256	0.1668	256.4467	-31			Ophiuchi
1241	GJ 815B (BD+40 883B)	A	M0.5Ve		11.00461794	21	0.0905333	40	4.2206667	49.262	0.3853	111.9171	-33.74			Cygni
1242	GJ 1204	Flare star	M4V		12.87123798	16	36.094162	8	48.820995	49.302	0.3153	252.9765	-44			Herculis
1243	LSR J1817+1328	White dwarf	DA9			18	17.10828	13	28.416501	49.311	0.6967	201.3518	-40			
1244	2MASS J21373742+0808463	Brown dwarf	L4			21	37.623258	8	8.7714054	49.319	0.4048	276.9556				
1245	WISE J173835.53+273258.9	Brown dwarf	Y0			17	38.592233	27	32.985	49.364	0.2888	135.4897				Herculis
1246	G 108-22	PM	M4			6	42.222321	3	35.514766	49.371	0.1497	169.8460				
1247	1RXS J153250.6-541037	PM	M4			15	32.838047	-54	-10.45809	49.401	0.1203	125.1282				
1248	GJ 3753 (GD 319)	White dwarf	DA3		11.40771968	12	50.071317	55	6.0488333	49.419	0.0383	265.7347	13.8			Ursae Majoris
1249	GJ 3953 (LP 386-49)	PM	M3.0Ve		11.33771968	16	25.54545	26	1.5720999	49.419	0.1110	264.5881				Herculis
1250	nu Phe	PM	F9V		4.071821262	1	15.185376	-45	-31.90013	49.446	0.4003	285.0859	11.82		0.053	Phoenicis
1251	GJ 3655 (LP 732-94)		M8.5V		18.80168556	11	21.848995	-13	-13.04024	49.491	0.2721	263.0000	34			Crateris
1252	HD 229793	PM	M0V			18	51.85306	16	34.996914	49.544	0.3095	205.1202	-15.57			
1253	171 G. Pup		F9V		4.45	7	45.583695	-34	-10.34191	49.551	1.0101	7.3305	106.16		0.057	Puppis
1254	GJ 288B (171B Pup)	White dwarf	DC10		15.68079943	7	45.640833	-34	-55.88	49.551	0.9728	8.4596	106.16			Puppis
1255	Wolf 1108	PM	M2.5Ve			19	34.917052	53	15.393538	49.551	0.3304	328.0773				
1256	2MASS J05153094+5911184	PM	M7V			5	15.515667	59	11.308333	49.589	0.5924	173.1192	-60			
1257	GJ 238	PM	M2.5			6	33.832863	-58	-31.70749	49.589	0.5193	26.9340	16.9			

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
1258	FBS 1652+631	PM	M4.5V			16	52.824506	63	4.6466359	49.612	0.1235	316.0873	-21			Draconis
1259	WISE J163348.95-680851.6	PM				16	33.81782	-68	-8.803559	49.612	0.3205	247.4737				
1260	UCAC4 205-183952	PM	M4			21	1.123255	-49	-7.417895	49.627	0.2053	233.3154	40.21			
1261	LHS 5148	PM				9	16.850745	-55	-55.78066	49.634	0.2752	194.0591				
1262	GJ 599B (HD 140901B)	PM White dwarf	DA7		11.8645192	15	47.500347	-37	-55.14097	49.638	0.2748	243.7134	1			Lupi
1263	GJ 458A (HD 238090)	PM	K5V		8.864233343	12	12.347661	54	29.145393	49.659	0.1454	291.6169	-17.08			Ursae Majoris
1264	2MASS J16073123-0442091	Brown dwarf	M8			16	7.5206348	-4	-42.16045	49.665	0.2460	181.9950	11			
1265	2MASS J16322911+1904407	Brown dwarf	L8			16	32.485233	19	4.6785	49.665	0.1733	100.4425				
1266	GJ 458B (BD+55 1519B)	PM	M4.12		12.40423334	12	12.352392	54	29.386482	49.665	0.1486	290.5495	-16.49			Ursae Majoris
1267	G 272-118	PM	M4.0V			1	54.132743	-15	-36.37148	49.672	0.1803	163.4104				
1268	LP 491-51	PM	M3.0V			11	3.354298	13	37.950395	49.672	0.1205	68.2816	-18.1			
1269	HD 38858	PM	G2V			5	48.582336	-4	-5.678659	49.703	0.1382	164.9872	31.61			
1270	GJ 599A (HD 140901)	PM	G7IV			15	47.485011	-37	-54.97871	49.718	0.2718	242.7315	-6.74		0.054	Lupi
1271	LP 349-25	SB	M8Ve			0	27.9321	22	19.547333	49.740	0.2503	112.9887	-15.8			
1272	G 77-29	PM	M3.0			3	11.611508	-4	-16.61559	49.748	0.2423	156.7272				
1273	LP 719-10	PM	M5.5Ve			6	2.9039307	-9	-15.06227	49.771	0.3524	168.9160				
1274	GJ 3142	Flare	M4V			2	12.910376	0	0.2809398	49.778	0.3237	272.9872	30			
1275	GJ 1081	Flare star	M3V		11.30442707	5	33.319257	44	48.982333	49.788	0.2123	170.5377				Aurigae
1276	alpha Gem Castor	(Castor) B C	A1 V	A5, red dw	1.99	7	31.6	31	53.3	49.800	0.1478	234.3150	4.83			Geminorum
1277	2MASSI J0859254-194926	Brown dwarf	L8			8	59.424633	-19	-49.44817	49.817	0.1867	255.7472				
1278	GJ 815A (BD+40 883)	B	M2.91		9.444617939	21	0.0891337	40	4.21642	49.817	0.3867	111.9999	-33.74			Cygni
1279	GJ 398 (V* RY Sex)	Flare star	M4V		11.9166143	10	36.02028	5	7.2132891	49.831	0.3876	79.0006	63.538			Sextantis
1280	GJ 3894 (LHS 392)	PM	M4.5		13.42254456	15	11.843347	-10	-14.30115	49.837	0.5816	255.5033	768.335			Librae
1281	HD 24916	Flare	K4V			3	57.478315	-1	-9.567859	49.847	0.1363	232.4210	3.41			
1282	HIP 25647 (HD 36705)	T tau Type star	K0 V		6.007779661	5	28.746381	-65	-26.93624	49.878	0.0971	349.9466	32.4		0.006	Doradus
1283	GJ 1096	Flare star	M5V		13.6136126	7	16.300298	33	9.1738053	49.879	0.2611	192.4120	7			Geminorum
1284	GJ 317	PM	M3.5V		11.67759626	8	40.987333	-23	-27.38833	49.893	0.5276	28.8828	87.728			Pyxidis
1285	LP 892-51	PM	M3.5			5	31.072136	-30	-11.74515	49.893	0.3389	143.3422				
1286	HIP 52596 (LP 905-56)	PM border area with Antliae	M1.5V		10.51238521	10	45.278206	-30	-48.44941	49.916	0.1364	187.6976	22.48			Hydrae
1287	UPM J1635-5202	PM				16	35.620008	-52	-2.01367	49.916	0.1232	65.1048				
1288	L 396-10	PM	M3			11	38.415968	-41	-22.54191	49.923	0.5538	86.3793	28			
1289	HD 224953		K5/M0V			0	2.1456017	-68	-16.84587	49.939	0.1810	137.5671	-26.8			
1290	LHS 317	PM	M4			11	53.207086	-31	-23.9352	49.962	0.6667	263.0656				
1291	GJ 3533 (LHS 2106)	PM	M4.5		13.86906926	9	7.0457906	-22	-8.834059	49.963	0.2960	216.4725				Pyxidis
1292	WT 426	PM	M3.5V			13	31.023824	-45	-35.15917	49.969	0.3831	70.2013				
1293	GJ 40A (HD 4967)	PM Border area with Ceti	K5V	M3	8.051459454	0	51.567003	-22	-54.60403	49.977	0.3913	114.2621	14.46		0.042	Eridani
1294	LHS 1924	PM				7	32.130339	-36	-7.367684	49.977	0.3073	207.6314	22.4			
1295	GJ 141 (HD 21197)		K4V		6.962649243	3	24.99551	-5	-21.82533	50.014	0.4668	196.7236	-13.17		0.042	Eridani
1296	GJ 240		K8Vk	?	8.721335786	6	37.187089	-50	-2.295897	50.031	0.0930	274.8199	10.3		0.016	Columbae
1297	CD-29 4446C	PM	M5V			7	28.852854	-30	-15.88042	50.054	0.1352	215.3377	30.72			
1298	GJ 40B (HD 4967B)	Border area with Ceti	M3		16.39145945	0	51.586447	-22	-54.51525	50.059	0.3964	114.3252				Eridani
1299	G 138-40	PM	M3.5Ve			16	32.880681	9	50.432797	50.085	0.1609	304.2295	-17.84			
1300	2MASS J00452143+1634446	Brown dwarf	L0beta			0	45.356924	16	34.745642	50.108	0.2107	97.6289	3.16			

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
1301	GJ 3097 (Wolf 66)		M3.5Ve		12.26037401	1	25.611	9	45.406667	50.123	0.2602	153.4349	15.703			Piscium
1302	CD-27 9225	PM	M1			13	25.814113	-28	-22.43921	50.131	0.2697	257.0690	-27.66			
1303	GJ 3227	Flare	M4V			3	28.826101	26	29.205607	50.139	0.1526	120.4442	1			
1304	LHS 535	PM	M3.0Ve			23	7.498633	68	40.085889	50.139	0.6650	272.8590	-12			
1305	UCAC3 112-499622	PM				23	46.637271	-34	-10.02614	50.139	0.1809	269.7717	-12.25			
1306	GJ 2092 (WG 21)	White dwarf	DA6.6		13.56539046	12	26.700376	-66	-12.30779	50.144	0.1082	190.4547	55			Muscae
1307	2MASS J04241156-2356365	PM	M2.5			4	24.192774	-23	-56.60437	50.146	0.0375	28.6090	5.17			
1308	LP 699-32	PM				22	6.1604708	-7	-23.5934	50.162	0.1634	141.3514				
1309	UCAC3 91-172938	PM				14	16.792083	-44	-53.34926	50.169	0.2405	75.8982	8.42			
1310	UCAC4 278-076783	PM				14	44.109331	-34	-26.78455	50.169	0.2593	190.7411				
1311	UCAC4 240-176851	PM	MV			20	7.9206584	-42	-5.244299	50.185	0.4364	176.0284				
1312	LP 770-20	PM	M3.5			2	27.508837	-19	-7.679305	50.224	0.2315	243.6470	1.27			
1313	L 1409-15	PM	M4V			13	16.547362	27	52.496608	50.255	0.4524	72.7240	-2			
1314	2MASS J23071998-8452039	PM Red & White dwarf stars Subasavage 2004	M			23	7.3282997	-84	-52.06195	50.262	0.3542	97.1358				Octantis
1315	LHS 5358	PM	M5V			20	43.397782	4	45.921058	50.262	0.2742	108.5160	-49			
1316	WISE J104245.23-384238.3	Brown dwarf	T8.5			10	42.753833	-38	-42.63833	50.278	0.2170	115.3973				
1317	CD-45 5627	SB	M3Ve			9	58.572051	-46	-25.50674	50.293	0.3949	135.0080	10			
1318	L 528-16	PM	M2.5			7	38.161579	-31	-12.31848	50.293	0.1556	38.9897				
1319	L 489-43	PM	M4.5			18	52.421755	-37	-30.60802	50.317	0.2519	100.5311				
1320	UCAC3 237-310075	PM	M3.5Ve			23	46.234502	28	26.064785	50.317	0.0604	310.4276	25.83			
1321	HD 34673		K3V			5	19.210972	-3	-4.42863	50.332	0.4150	280.9575	87.95			
1322	GJ 3704 (Ross 689)	PM	M4V		12.47406796	12	5.4946761	69	32.376703	50.355	0.2678	263.1106	-3			Draconis
1323	51 Peg	b Planet (Bellerophon) Hot Jupiter	G2IV			22	57.46634	20	46.129704	50.394	0.1259	286.6701	-33.24	1g		Pegasi
1324	LTT 3896	PM				10	37.755207	-27	-46.64335	50.394	0.2004	42.1923	24.39			
1325	G 70-44	PM	M4V			1	11.966493	4	54.207647	50.410	0.3772	144.8228	8			
1326	TYC 2187-512-1	PM	M1.0Ve			21	22.104696	22	55.885654	50.441	0.0933	317.2799	6.02			
1327	G46-2 Cnc	PM	M2.5Ve		11.16385819	8	42.870476	9	33.186256	50.446	0.3802	160.0286	2.7			Cancri
1328	SSPM J1207-3247	UCAC4 Nearby Star Candidate Aug 2014	M			12.124271		-32.783402		50.504	0.0445	247.1263				Velorum
1329	2MUCD 12054	Brown dwarf	L1			20	57.901558	-2	-52.50416	50.535	0.0595	181.6083	-24.68			
1330	Wolf 1225	Flare	M3.0V			22	23.484957	32	27.565253	50.535	0.1914	130.1876	-19.4			
1331	LP 89-101	PM	M0V			8	8.302892	58	31.157275	50.582	0.1081	250.3015				
1332	2MASS J03442081+0741549	PM	M5V			3	44.347056	7	41.915565	50.606	0.0964	82.9533	-69			
1333	GJ 838.6 (L 355-62)	PM	M2.5			21	54.755142	-46	-59.56403	50.622	0.2827	221.2769	28.33			Gruis
1334	L 28157	PM	M3.5			21	46.711453	-85	-43.07472	50.645	0.1783	129.5835	23.5			
1335	BD+45 2743B	PM	M2.5V			18	35.454805	45	45.68243	50.685	0.3386	308.3782	-29			
1336	GJ 868 (HD 207129)	PM	G2V			21	48.262518	-47	-18.217	50.700	0.1969	150.7939	-7.62			Gruis
1337	HIP 98681 (CD-50 12781)		K1 IV		9.560698534	20	2.5975692	-50	-2.962633	50.700	0.0106	154.5638	-57.462			Telescopii
1338	BD+45 2743	PM	M0.5V			18	35.30651	45	44.642276	50.708	0.3376	308.8078	-32.1			
1339	HD 139763	PM	K6Vk			15	40.576167	-18	-2.941599	50.724	0.1072	299.0484	4.35			
1340	LHS 3505	PM	M2.5Ve			19	58.26234	2	2.2606298	50.724	0.5161	202.3692	5			

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
1341	LHS 3318	PM	M4.5V			17	42.692623	75	37.312917	50.748	0.3229	292.3545	-16.2			
1342	GJ 399	PM	M2.5			10	39.676072	-6	-55.42503	50.756	0.4224	261.6705	3.3			
1343	L 715-38	PM	M4.0V			21	46.758707	-21	-17.78249	50.756	0.1728	100.2412	-3.4			
1344	G 195-22	PM	M5V			9	17.766487	58	25.357456	50.771	0.6815	178.7336	-81			
1345	2MASS J01075242+0041563	Brown dwarf	L8			1	7.8737	0	41.94	50.803	0.3663	278.3103	3			
1346	UPM 0617-3401	UCAC4 Nearby Star Candidate Aug 2014	M			6.2964189		-34.019917		50.807	0.0845	41.4271				Puppis
1347	GJ 1099	PM	M2.5Ve		11.09892187	7	34.293103		59.15446	50.836	0.3489	181.8129	8.5			Ceti
1348	mu Ara	b,c,d,e (hot Uranus planet)	G3 IV-V		4.28	17	44.145061	-51	-50.04318	50.843	0.1114	184.5848	-9.29	4g	0.4	Arae
1349	BD+35 2436B	PM	M3V			13	19.578454	35	6.42272	50.859	0.5094	153.7372	-7.3			
1350	HD 182488	PM	K0V			19	23.566889	33	13.317915	50.859	0.1047	332.9775	-21.47			
1351	UCAC2 20305838	PM	M2Ve			4	47.385678	-27	-50.59373	50.859	0.1087	337.2212	30			
1352	2MASS J07140394+3702459	Brown dwarf	M8			7	14.065703	37	2.7670843	50.874	0.1184	205.9346	40.03			
1353	LP 739-36	PM				14	15.772581	-13	-29.55704	50.874	0.2518	254.3610				
1354	HD 190404	PM	K1V			20	3.8687847	23	20.441107	50.882	0.7894	227.7262	-2.44			
1355	tau Boö	B	F6IV	M dwarf	3.53	13	47.26239	17	27.414253	50.882	0.2807	83.6352	-16.03	1g	0.02	Boötis
1356	2MUCD 20388	Brown dwarf	M7.9V			10	51.316544	56	13.144558	50.906	0.2263	215.7174	-60			
1357	GJ 319A (BD+10 1857)		M1V		9.073858186	8	42.742218	9	33.401983	50.946	0.3902	160.8237	24.4			Cancri
1358	99 Her (* b Her)		F7 V			18	7.0256618	30	33.72816	50.962	0.0866	42.3441	1.4			Herculis
1359	LP 739-3	PM	M4.0V			13	58.326446	-13	-16.41689	50.970	0.2024	99.8319				
1360	UCAC3 184-100907	PM	M4.0V			9	16.169691	1	53.147239	50.978	0.0671	151.7160	22.23			
1361	SCR1214-4603	PM				12	14.666433	-46	-3.23825	50.994	0.4505	251.6904				Centauri
1362	sigma Boö Al Hamalain	B	F4VkF2mF1		4.82	14	34.680286	29	44.707728	51.018	0.1337	304.8059	0.37			Boötis
1363	USNO-A2.0 0975-01864840	Em	M6V			5	40.898324	8	54.304209	51.042	0.0984	267.5158	20			
1364	2MASS J17534518-6559559	Brown dwarf	L4			17	53.753112	-65	-59.92786	51.050	0.2013	188.7903				
1365	CD-28 1745	PM	M0V			4	47.378017	-27	-50.48853	51.050	0.0925	343.0684	28.33			
1366	LP 423-14	PM	M7.0V			7	41.113617	17	38.7665	51.066	0.3083	199.9739	41.8			
1367	LHS 5386	PM	M4.5V			22	24.932053	52	0.3114924	51.074	0.2856	331.6327	9			
1368	GJ 433.1 (GD 140)	White dwarf Borderline with Leonis	DA2.2		11.57390073	11	37.085064	29	47.971539	51.078	0.0861	265.0459	115.4			Leonis Minoris
1369	HD 152705	PM	K3/4V			16	56.711206	-39	-8.212622	51.114	0.0698	154.7494	-8.58			
1370	CD-29 4446	BY Draconis variable	M1Ve			7	28.85619	-30	-14.80905	51.130	0.1076	224.6781	28.1			
1371	HD 118972	PM	K0V			13	41.069515	-34	-27.84949	51.130	0.1532	129.0588	-7.1			
1372	HD 213042	PM	K4V			22	29.253939	-30	-1.104377	51.130	0.4898	164.7923	5.8			
1373	BD-07 699	PM	K5V			3	54.591102	-6	-49.56089	51.138	0.3068	0.6179	62.32			
1374	LEHPM 1853	UCAC4 Nearby Star Candidate Aug 2014	M			1.7748176		-53.65907		51.142	0.0971	122.5001				Phoenicis
1375	UCAC3 113-186615	PM				15	52.10912	-33	-59.31694	51.162	0.0656	61.3864				
1376	G 272-10	PM				1	23.300478	-12	-56.38095	51.186	0.1951	2.1015				
1377	GJ 4387 (LHS 4058)		M4		12.26047301	23	59.856245	-34	-6.70701	51.186	0.5525	132.6691				Sculptoris
1378	V* V371 Ori	Flare	M3.0V			5	33.746662	1	56.724292	51.226	0.1617	236.2835	64.5			
1379	G 70-43	PM	M3.5Ve			1	11.926428	4	55.08635	51.234	0.3882	143.2868	29.34			
1380	HD 222834		G1V			23	44.122643	-27	-11.7676	51.259	0.0604	317.9213				

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
1381	HD 4378B	PM	K7Ve			0	45.811807	-41	-54.57705	51.259	0.1746	111.1734	-27.18			
1382	Ross 54	PM	M3.5			7	4.2950393	-10	-30.52628	51.267	0.4807	189.6432	-5.8			
1383	CD-43 11010	PM	M3			16	41.471073	-43	-59.18773	51.299	0.3571	217.8003	45.19			
1384	UPM 1635-4642	UCAC4 Nearby Star Candidate Aug 2014	M			16.589926		-46.701856		51.310	0.0150	359.3338				Normae
1385	2MASS J21415505-5118506	PM				21	41.918082	-51	-18.84372	51.323	0.4378	110.4220				
1386	GJ 637	PM	Mp			16	48.407822	-72	-58.56522	51.356	0.4166	221.9793	19.18			
1387	G 138-64	PM	M3.0Ve			16	46.229042	16	28.679828	51.380	0.3435	216.9309	19.4			
1388	G 258-2	PM	M3.5V			17	1.764428	74	11.854177	51.380	0.1517	77.8392				
1389	V* V1386 Ori	BY Draconis variable	K0V			6	6.6746329	15	32.52632	51.412	0.0925	229.3670	-9.89			
1390	HD 127339	PM	K7V			14	30.795284	-8	-38.77981	51.420	0.7524	259.3690	-24.2			
1391	HIP 82926 CD-38 11343		M3Ve+	M4Ve	10.36509974	16	56.809462	-39	-5.635365	51.420	0.0734	149.3211	-5.5			Scorpii
1392	BD+41 2695	PM	K5V			16	20.878996	40	57.686998	51.429	0.0663	6.7771	6.46			
1393	HD 203040	PM	K6.5Vk			21	20.230353	-19	-51.13711	51.429	0.4313	193.4893	18.09			
1394	GJ 9724 (CD-44 14334)	PM	M1:		11.22803236	21	11.826132	-43	-36.81918	51.437	0.4212	162.6851	2.92			Microscopii
1395	BD+76 3952	PM	M1.5Ve			9	46.808103	76	2.6350395	51.461	0.5843	175.0118	-28.46			
1396	HD 191391	PM	K6Vk			20	10.326184	-20	-29.60616	51.485	0.3283	229.3528	21.3			
1397	GJ 3856	Flare star	M5V		12.74037401	14	32.163673	16	0.8401477	51.490	0.1115	111.6320	10.207			Boötis
1398	HD 135599	BY Draconis variable	K0V			15	15.986116	0	47.781685	51.526	0.1308	127.6274	-3.08			
1399	G 180-18	PM	M3.5Ve			15	58.313298	35	24.404641	51.534	0.2030	24.2395				
1400	HD 4378		K5/M0V			0	45.804785	-41	-54.5516	51.534	0.1832	103.8840	-26.3			
1401	BD+23 2359	PM	M2V			11	31.723212	22	40.028381	51.559	0.3407	86.7935	-5.29			
1402	chi Her	PM	F8VFe-2Hdel-1			15	52.675686	42	27.090852	51.583	0.4468	325.1548	-55.88			Herculis
1403	LP 776-25	PM	M3.3V			4	52.406912	-16	-49.36545	51.583	0.1416	149.8839	27.9			
1404	1RXS J194213.0-204547	PM	M5.1V			19	42.213678	-20	-45.79958	51.624	0.0900	183.7965	-1.7			
1405	UCAC4 121-169621	PM				22	24.382495	-65	-58.60193	51.624	0.0958	250.7135	29.72			
1406	PM J11455-4055	PM				11	45.589921	-40	-55.9749	51.641	0.1844	245.7617				
1407	2MASS J01032096-1348231	PM				1	3.3494196	-13	-48.38391	51.665	0.0502	298.9361	18.57			
1408	UCAC4 382-001184	PM				1	3.3537518	-13	-47.9748	51.673	0.0467	294.6071				
1409	HD 113538	PM	K9Vk:			13	4.9579485	-52	-26.57537	51.690	0.6506	224.6539	39.23			
1410	G 170-36	PM	M4			17	21.910352	21	25.789169	51.714	0.1710	32.9372	-43.42			
1411	G 21-7	PM	M3V			18	16.303002	1	31.455975	51.714	0.4410	212.6462	-28			
1412	BD-02 3000	PM	M2V			9	53.196411	-3	-41.4075	51.731	0.2740	192.7214	31.24			
1413	phi 02 Cet	PM	F7V			0	50.126476	-10	-38.65975	51.739	0.1879	224.6437	8.22			Ceti
1414	2MASS J07110095-3824460	PM				7	11.01638	-38	-24.7791	51.755	0.5046	154.4845				Puppis
1415	104 tau (* m Tau)		G4V	?	3.91	5	7.4501006	18	38.702999	51.758	0.3110	271.9761	20.62			Tauri
1416	alpha Cir	RotValf2CVn	A7VpSrCrEu	K5	1.7	14	42.506899	-64	-58.50863	51.764	0.1749	219.3109	6.2			Circini
1417	Ross 640	White dwarf	DZA5.5			16	28.416717	36	46.264153	51.788	0.5209	33.5028	24			
1418	SCR0717-0501	PM red / white dwarf stars Subasavage 2005	M			7	17.285	-5	-1.066667	51.802	0.5800	133.6000				Monocerotis
1419	CD-30 11219	PM	M2V			14	10.957678	-31	-17.41962	51.813	0.2006	68.3458	-13.83			
1420	PM J21052-5503	PM				21	5.2300301	-55	-3.937524	51.813	0.1922	172.2641	24.5			
1421	V* DG Phe	Flare	M8.5e			1	9.0253648	-51	-0.823411	51.838	0.1353	289.5190				

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
1422	GJ 1077 (LHS 205)	PM	M2		11.3368061	5	16.995283	-78	-17.33832	51.846	0.6551	177.7276	-17			Mensae
1423	LP 831-45	PM	M3.5			3	14.302713	-23	-9.495838	51.862	0.2167	297.2801				
1424	GJ 9773 (Wolf 1014)	PM	M3		11.28575751	22	12.598036	8	33.291442	51.895	0.3950	170.9487	11.2			Pegasi
1425	EGGR 350	White dwarf	DA7.3			10	23.151048	63	27.69149	51.937	0.2171	306.5035				
1426	LHS 1596	PM	M1V			3	48.637016	73	32.586445	51.953	0.2805	123.8972	-7.96			
1427	HD 107596	PM	M0V			12	21.901234	42	8.0332472	51.962	0.3171	161.3320	13.04			
1428	UCAC4 399-010233	PM	M3.5V			5	56.677754	-10	-18.63024	51.970	0.0760	12.3688				
1429	GJ 1284	Flare star	M2Ve		10.30876959	23	30.223974	-20	-23.45748	51.986	0.2181	123.2336	-5.7			Aquarii
1430	GJ 676 B	PM	M3			17	30.270639	-51	-38.37658	52.028	0.2029	237.6220				
1431	ULAS J090116.23-030635.0	Brown dwarf	T7.5			9	1.2705	-3	-6.583333	52.045	0.1513	192.5204				
1432	HD 190360B	PM	M4.5V			20	3.4430149	29	51.99212	52.053	0.5006	127.6563	-44.8			
1433	HD 275122	PM	M1.5Ve			3	18.124673	38	15.123942	52.078	0.4211	142.0697	-4.59			
1434	Wolf 1246	Flare	M3.5V			3	39.495232	24	58.041929	52.095	0.1331	329.4673				
1435	SCR 2033-4903	UCAC4 Nearby Star Candidate Aug 2014	M			20.550501		-49.052529		52.150	0.1518	150.4294				Telescopii
1436	LHS 494	PM	M4.0Ve			20	33.671992	61	45.22646	52.153	0.6156	329.4475	-8.56			
1437	BD+46 1635	PM	K7V			10	31.403618	45	31.563014	52.170	0.4778	223.5864	20.71			
1438	G 264-12	PM	M4.0V			21	46.670669	66	48.177462	52.178	0.2582	297.7683	5.97			
1439	USNO-B1.0 0644-00098276	Brown dwarf	M9.2V			6	52.329385	-25	-34.8411	52.178	0.1463	69.4778	12			
1440	GJ 1157 (L 326-61)	PM	M4		12.81424545	12	23.02581	-46	-37.13438	52.195	0.0662	155.6185	-778.431		0.016	Centauri
1441	ksi Peg	PM	F6V			22	46.692941	12	10.373601	52.212	0.3191	154.4525	-5.37			Pegasi
1442	GJ 3285 (EGGR 169)	White dwarf	DC8		15.04242509	4	23.89546	12	11.805583	52.225	0.1463	201.2990				Tauri
1443	CD-33 13497	PM	M2			18	43.208403	-33	-22.76877	52.228	0.2283	199.0942	-21.82			
1444	EGGR 169	White dwarf	DA8			4	25.89546	12	11.805583	52.228	0.1463	201.2990				
1445	UCAC3 64-480761	PM				22	24.410837	-58	-26.22761	52.228	0.0491	243.8466				
1446	CD-51 10924	PM	M0V			17	30.186717	-51	-38.219	52.237	0.1845	234.4162	-39.11			
1447	GSC 00507-01588	RotV	M4V			20	10.574062	6	32.231806	52.237	0.1211	168.0390	-52.15			
1448	L 524-9	PM				6	8.2738331	-32	-16.76748	52.237	0.4257	92.0192	22.51			
1449	UCAC4 535-065571	PM	M6V			17	33.886064	16	55.21393	52.237	0.0980	226.4628	-19			
1450	G 96-10	PM	M4.0V			4	56.059209	43	13.927472	52.262	0.2446	113.3810	9.17			
1451	GJ 3289	Flare	M6.5V			4	26.332342	3	36.602907	52.262	0.5930	186.8686				
1452	LHS 1964	PM	M4V			7	58.378908	49	39.88713	52.262	0.4719	156.7395	-22			
1453	CE 507	PM				18	43.206236	-33	-22.52203	52.321	0.2300	201.9244				
1454	LP 37-57	PM	M4.0V			10	2.0965977	69	45.487168	52.354	0.1350	190.5009				
1455	G 140-19	PM	M4V			17	54.285401	7	22.746737	52.363	0.3866	244.3230	-29			
1456	CD-25 15988	PM	M2+Vk			22	34.007953	-25	-14.5454	52.379	0.1884	201.4177				
1457	BD-07 3632	White dwarf	DA3.5			13	30.227283	-8	-34.49118	52.388	0.7024	246.9683	35.6			
1458	GJ 514.1 (Ross 476)	PM	M4V		13.39329948	13	30.046614	-8	-42.42452	52.428	0.7045	246.9881	36.436			Virginis
1459	GJ 811.1 (Wolf 896)	PM	M2.5		10.62326407	20	56.776617	-10	-26.91249	52.451	0.6545	181.8948	35.6			Aquarii
1460	CD-29 8019	PM	M3V			10	1.1790333	-30	-23.40876	52.464	0.7403	59.6063	51.41			
1461	UPM 1552-3359	UCAC4 Nearby Star Candidate Aug 2014 Border line with Lupi	M			15.868485		-33.988631		52.486	0.0648	50.0627				Centauri

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
1462	L 570-26	White dwarf	DZ7			21	41.959419	-33	-0.496693	52.489	0.1245	238.0178				
1463	2MASS J20103539+0634367	PM	M8.5V			20	10.589817	6	34.613789	52.540	0.1243	167.7991				
1464	2MASSI J1521010+505323	PM	M7.5			15	21.017504	50	53.379896	52.548	0.1052	162.6518	0.9			
1465	WISEP J131106.24+012252.4	Brown dwarf	T9:			13	11.103483	1	22.906167	52.548	0.4827	184.7006				
1466	UPM 0537-4240	UCAC4 Nearby Star Candidate Aug 2014 Border line with Columbae	M			5.6298787		-42.675324		52.553	0.0213	334.8321				Caeli
1467	2MASS J04455387-3048204	Brown dwarf	L2			4	45.898272	-30	-48.34398	52.574	0.2513	158.5434				
1468	Gaia DR2 1.25607E+18	UV				14	25.577689	25	40.083624	52.591	0.0288	255.3268				
1469	I Car	V	F3V			10	24.395053	-74	-1.896678	52.591	0.0186	207.4990	-4.7			Carinae
1470	LP 688-3	PM				17	34.144721	-8	-49.8625	52.616	0.2101	210.4390				
1471	HD 17230	PM	K6V			2	46.287947	11	46.514352	52.625	0.1966	128.6734	11.18			
1472	HD 202575	PM	K3V			21	16.541118	9	23.629578	52.659	0.1092	129.1461	-17.98			
1473	LAWD 83	White dwarf	DA4.8			21	13.280903	-81	-49.21464	52.667	0.2693	145.1859	-57			
1474	HD 23484	PM	K2V			3	44.152886	-38	-16.9062	52.676	0.2076	324.1656	29.66			
1475	LP 591-156	low-mass	M5V			2	56.064966	0	36.551282	52.676	0.1549	285.2203	37			
1476	GJ 21	PM	M1.0Ve			0	26.878367	70	8.5453015	52.684	0.1166	223.1382	-3.36			
1477	UPM 2224-5826	UCAC4 Nearby Star Candidate Aug 2014	M			22.406853		-58.437257		52.687	0.0496	266.8388				Indi
1478	CD-30 17706	White dwarf	DA3.1			20	10.947475	-30	-13.11049	52.710	0.2456	233.8102	75.4			
1479	TYC 777-141-1	PM	M3.0V			7	34.938802	14	45.897098	52.718	0.0634	221.6396	29.46			
1480	GJ 298	PM	M3.0			8	9.9675252	-52	-58.09037	52.727	0.4907	37.5628	34.7			
1481	Ross 265	PM	M2.5Ve			22	1.8174237	16	28.04741	52.727	0.2454	291.7197	-13			
1482	UPM 2312-5049	UCAC4 Nearby Star Candidate Aug 2014	M			23.2129		-50.823366		52.754	0.0621	133.3309				Gruis
1483	2MASS J04041807+4127398	PM				4	4.3011577	41	27.661221	52.761	0.2304	186.9267				
1484	VB 11	White dwarf	DC10			20	56.796409	-4	-50.659	52.761	0.4699	106.0220	-8			
1485	HD 65907	PM	F9.5V			7	57.781909	-60	-18.18419	52.778	0.3089	282.9204	15.32			
1486	HD 109200	PM	K1V			12	33.523033	-68	-45.34853	52.787	0.3659	240.2116	2.51			
1487	HD 217580	SB	K3V			23	1.8590632	-3	-50.92403	52.795	0.2602	117.6626	-44.32			
1488	GJ 1026		M3V			1	3.2359403	20	5.8707467	52.872	0.3927	273.8347	23.6			
1489	HD 24451	PM	K4V			4	1.3270718	76	9.562431	52.872	0.3719	148.6784	17.73			
1490	UCAC3 31-98928	PM				19	29.63825	-74	-44.70261	52.872	0.1716	272.3004	12.75			
1491	Ross 439	PM	M2.5			9	28.888725	-7	-22.26331	52.907	0.4262	193.2590	42.28			
1492	GJ 1218 (LHS 3292)		M4V		12.14047301	17	28.123495	-62	-27.21383	52.924	0.5678	196.8567	28			Trianguli Australis
1493	LHS 2819	PM	M5V			13	52.842111	66	49.100103	52.950	0.4209	220.7279	-31			
1494	delta Aql	B	F0 IV		2.3	19	23	3	1	53.000	0.2700	73.0000	-28.97			Aquilae
1495	delta Gem Wsat	(Wsat) B	F0 IV	K6 dwarf	2.5	7	18.1	22	5	53.000	0.0200		2.41			Geminorum
1496	LP 716-10	PM	M5.5			4	52.067017	-10	-58.36695	53.036	0.2586	242.6883				
1497	UCAC4 273-208847	PM				23	15.033564	-35	-28.41259	53.062	0.1812	302.1436				
1498	G 162-70	PM	M3			10	35.018622	-9	-24.64297	53.079	0.1711	129.0564				
1499	2MASSI J1108307+683017	Brown dwarf	L1			11	8.512916	68	30.278519	53.105	0.1800	230.1881	-9.84			
1500	GJ 1006B (L 1226-9)	BY Dra Type variable	M4.0V		12.3012065	0	16.243818	19	51.626833	53.131	0.6060	136.6751	-28.3			Pegasi

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
1501	LHS 446	PM	M4V			17	20.770333	49	15.37	53.148	0.7587	155.0070	-17			
1502	CD-72 1700		M1Ve			21	49.09728	-72	-6.149832	53.157	0.2433	134.5708	-10.7			
1503	G 222-2	PM	M5V			4	14.032521	82	15.607034	53.157	0.3618	156.0595	6.6			
1504	L 240-16	PM	M3.5			7	36.200394	-51	-55.35354	53.174	0.3481	318.3124	57.17			
1505	Ross 249	PM	M3V			23	48.052301	49	0.955101	53.174	0.3665	276.3551	19.45			
1506	HD 21749	PM	K4.5V			3	26.987048	-63	-29.94603	53.192	0.2518	124.8729	59.46			
1507	LSR J1809-0219	PM	M4.5			18	9.7283937	-2	-19.58429	53.192	0.3103	179.3201	40			
1508	LP 849-6	UCAC4 Nearby Star Candidate Aug 2014	M			10	45.863578	-23	-9.008332	53.218	0.1687	240.6601				Hydrae
1509	CD-36 6589	PM	M0.5			10	41.155428	-36	-53.72646	53.227	0.1490	139.5069	52.1			
1510	L 204-148	PM				17	38.541657	-58	-32.57369	53.227	0.1944	176.6155	-23.66			
1511	UCAC4 554-051865	PM	M4.5V			15	18.524287	20	36.469354	53.227	0.0559	357.2607				
1512	2MASS J14442067-2019222	PM	M9.0VI:			14	44.3445	-20	-19.37167	53.235	2.0367	236.0762				
1513	BD+24 2733B	PM	M3V			14	25.777537	23	37.228507	53.235	0.7981	144.6596	8.9			
1514	2MASS J07235966-8015179 (SCR0723-8015)	PM Red & White dwarf stars Subasavage 2004	M6V			7	23.993683	-80	-15.30063	53.244	0.4927	29.3919				Mensae
1515	BD+24 2733	PM	M3V			14	25.724581	23	37.024891	53.253	0.7966	144.6334	8.78			
1516	LEHPM 2- 783	PM	M6			20	19.830221	-58	-16.71642	53.253	0.1988	184.1356				
1517	LHS 3135	PM				15	57.206397	-61	-28.92709	53.253	0.4748	182.5284				
1518	ksi Peg B	PM	M3.5			22	46.705701	12	10.35199	53.261	0.2996	154.3292	-4.5			Pegasi
1519	Wolf 1494	Flare	M4			13	48.810109	4	6.0387802	53.270	0.1046	180.3827	28.17			
1520	G 209-38	PM	M3.5			20	36.767238	38	50.544531	53.279	0.1323	131.4183	6.57			
1521	LHS 1540	PM	M4.5			3	22.068338	2	56.578927	53.288	0.4793	155.6116				
1522	UPM 1322-5500	UCAC4 Nearby Star Candidate Aug 2014	M			13.367997		-55.016375		53.291	0.0318	270.3148				Centauri
1523	LHS 1817	PM	M4.5V			6	5.4900484	60	49.3743	53.296	0.4886	159.8276	128.5			
1524	GJ 258 (G 250-33)	PM	M3.0Ve		11.03921645	7	4.4323517	68	17.327618	53.314	0.2036	278.2307	-51.4			Camelopardalis
1525	Ross 298	PM	M3			23	35.064387	25	14.957204	53.314	0.1210	348.2494				
1526	LHS 1979	PM	M5			8	5.6157748	-9	-32.63944	53.322	0.4390	139.8561				
1527	SCR J1656-2046	PM				16	56.560167	-20	-46.62631	53.331	0.1598	225.0465				
1528	G 233-42	PM	M5V			23	9.9643256	55	6.7897091	53.375	0.2393	275.8865	-54			
1529	HD 55	PM	K4.5V			0	5.2948121	-67	-49.95543	53.384	0.3330	191.7602	40.24			
1530	GJ 225.2 (HD 40887)	B,C	K5V	K5V, K5V	8.224532357	6	0.3254085	-31	-1.726838	53.410	0.6230	22.6654	101.7			Columbae
1531	LHS 2497	M Sub-dwarf high metallic: Titanium & Calcium	sdM3.5			12	2.3031667	28	35.238333	53.410	0.4604	266.5230	10			
1532	NLTT 33370	PM	M6.0V			13	14.339833	13	20.02	53.410	0.1785	232.6819	-10.4			
1533	Ross 791	PM	M4V			2	57.517555	10	47.409538	53.419	1.0494	103.4347	49			
1534	UCAC3 92-131703	PM				12	6.6518443	-44	-27.89319	53.436	0.2083	146.0768	5.62			
1535	GJ 4068	Flare	M4.0V			18	35.863496	80	5.6596388	53.445	0.1421	329.5036				
1536	G 201-54	PM	M4.5V			15	34.064193	51	22.040715	53.489	0.1953	35.3309	-18.82			
1537	LSPM J2309+5506E	White dwarf	DA			23	9.9755801	55	6.8238261	53.489	0.2386	276.7173				
1538	SCR J2012-5956	White dwarf	DC9			20	12.529723	-59	-56.86119	53.541	0.8340	166.1429				
1539	HD 122742	SB	G6V			14	3.5391873	10	47.207332	53.550	0.1893	166.0653	-8.5			

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
1540	G 170-12	PM	M3V			17	4.3722965	16	55.926158	53.559	0.6632	173.2746				
1541	GJ 3309 (HD 283779)	PM	M1.5Ve		10.69245363	4	44.43428	27	51.734173	53.577	0.2545	167.3658	-8.28			Tauri
1542	Wolf 457	White dwarf	DAQZ8			13	0.1510603	3	28.684388	53.586	0.5648	206.8914				
1543	LHS 3899	PM	M0V			23	8.1160677	3	19.739568	53.630	0.3242	297.4995	30.71			
1544	alpha Cir B	PM	K5V			14	42.477362	-64	-58.68696	53.638	0.1763	214.2926	7.01			Circini
1545	EGGR 436	White dwarf	DA9P			13	8.6866046	85	2.469394	53.656	0.1919	139.4935				
1546	LHS 6097	PM	M5.0V			5	58.888195	21	21.026144	53.665	0.2837	155.0864	30.61			
1547	[D75b] Star 1		M4.0V			0	7.7098297	60	22.901168	53.691	0.1872	90.9989	2.7			
1548	L 315-66	PM				8	47.322203	-46	-52.73694	53.691	0.2215	198.8118				
1549	LHS 2052	PM	M5V			8	49.144431	39	36.439531	53.709	0.2972	229.2124	19			
1550	2MASS J04173459-4834391	PM				4	17.576327	-48	-34.65238	53.745	0.3743	338.0170				
1551	BY Dra C	PM				18	33.951234	51	43.346009	53.745	0.2290	149.4901				Draconis
1552	HD 128311	BY Draconis variable	K3V			14	36.009338	9	44.791053	53.762	0.1880	140.6816	-9.58			
1553	LHS 448	PM	M4V			17	27.667833	14	29.046667	53.762	0.6822	252.2758	-31.13			
1554	LHS 55	PM	M3.5V			16	14.5475	19	6.17	53.762	1.1799	79.6320	-34			
1555	9 Pup	HR 3064, Gl 291	G2V		4.05	7	51.772333	-13	-53.83167	53.771	0.2055	191.0583	-21.34			Puppis
1556	L 454-9	White dwarf	DA8.0			6	57.09855	-39	-9.5947	53.780	0.1947	243.3402				
1557	V* BY Dra	BY Draconis variable	K4Ve+K7.5Ve			18	33.929532	51	43.148384	53.789	0.2182	150.3065	-25.43			
1558	BD+66 582	PM	K5			8	52.005799	66	7.8898145	53.807	0.0799	316.3200	-22.3			
1559	UCAC4 284-213523	PM				23	30.63476	-33	-18.44987	53.842	0.0688	248.8221				
1560	UCAC4 323-049945	PM				8	27.116406	-25	-26.90329	53.842	0.1103	173.4126				
1561	2MASS J09492223+0806450	Brown dwarf	M8.5V			9	49.370539	8	6.7518175	53.851	0.5211	177.4703	16			
1562	WISEA J233226.54-432510.9	Brown dwarf	T9			23	32.441617	-43	-25.17733	53.851	0.2069	136.0027				
1563	L 763-66	PM				13	53.927185	-20	-14.72391	53.869	0.3008	303.2702				
1564	CD-24 12677	PM	M2V			16	23.12739	-24	-42.58711	53.878	0.4423	207.2752	-31.91			
1565	GJ 363	PM	M3.5		11.70366617	9	42.38653	55	59.021129	53.906	0.5081	234.4078	11			Ursae Majoris
1566	UCAC4 133-178201	PM				18	59.678417	-63	-27.36843	53.914	0.1237	333.2572				
1567	G 242-2	PM				22	27.145663	77	51.964759	53.931	0.2004	316.4033				
1568	EGGR 307	White dwarf	DC			1	25.407772	-26	-0.740832	53.940	0.3346	155.7831				
1569	HD 214100	PM	M1V			22	36.161454	0	50.496095	53.940	0.3681	174.8453	9.24			
1570	LP 443-17	PM	M5V			15	34.847667	18	0.22	53.940	0.2301	213.9713	-35			
1571	GD 279	White dwarf	DA3.6			1	52.04936	47	0.1109182	53.949	0.0709	357.6929	64			
1572	LHS 1665	PM	M2.5			4	22.20832	-57	-26.01672	53.949	0.3782	194.2500				
1573	Wolf 1130	Flare M Sub-dwarf high metallic: Titanium & Calcium	sdM1.5			20	5.0365825	54	26.053797	53.949	0.8551	232.0707	-107.6			
1574	GJ 516 B	PM	M4Ve		11.60647697	13	32.745939	16	48.687484	53.963	0.2188	129.7911	-6.5			Comae Berenices
1575	HD 116443	PM	K2V			13	23.680752	2	43.516469	53.994	0.1171	358.3799	27.44			
1576	UPM 0314-6241	UCAC4 Nearby Star Candidate Aug 2014	M			3.2475727		-62.694937		53.997	0.0715	290.8233				Horologii
1577	UPM 1702-4521	UCAC4 Nearby Star Candidate Aug 2014	M			17.044489		-45.366307		53.997	0.0791	188.1599				Scorpii
1578	2MASS J04201249-7005594	PM Red & White dwarf stars Subasavage 2004	M6.0			4	20.209234	-70	-5.976986	54.039	0.3907	338.7354				

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
1579	2MASS J21265916+7617440	Brown dwarf	T0p			21	26.98563	76	17.722449	54.048	0.8145	315.0000				
1580	UPM J1104-6232	PM				11	4.5631992	-62	-32.57452	54.048	0.1342	255.7905				
1581	HD 116442	PM	G9V			13	23.652563	2	43.399639	54.075	0.1161	356.4485	28.47			
1582	GJ 2069A (V* CU Cnc)	B, Eclipsing binary	M5Ve	M4.0V	11.35186454	8	31.626235	19	23.656645	54.084	0.1502	242.3077	-39.34			Cancri
1583	UPM 2215-5856	UCAC4 Nearby Star Candidate Aug 2014	M			22.263278		-58.945651		54.097	0.0750	24.7751				Indi
1584	BD+49 1280	PM	M0.0Ve			4	58.842913	49	50.957224	54.147	0.0927	135.2364	-34.24			
1585	L 221-60	PM	M0.0			1	14.569945	-53	-56.52684	54.174	0.1907	341.6134	6.33			
1586	LHS 6180	low-mass	M5.5V			10	2.8227	48	27.556	54.210	0.2478	228.9027	-5			
1587	BD+35 2439	PM	M1V			13	20.96746	34	16.736645	54.228	0.3303	121.5703	-36.13			
1588	LSPM J1602+0131	PM				16	2.6940466	1	31.969864	54.237	0.3388	196.3539				
1589	psi 5 Aur	PM	F9V			6	46.738959	43	34.645716	54.237	0.0952	1.0951	-23.9			Aurigae
1590	LP 849-51	PM				11	5.1142758	-22	-12.87182	54.246	0.2057	190.6686				
1591	G 131-62	PM	M4			0	23.466532	24	18.410165	54.273	0.1477	62.2999				
1592	2MASS J05214793+1720341	PM	M3.5			5	21.79872	17	20.573682	54.282	0.0762	7.1047				
1593	2MASS J12531092-5709248	Brown dwarf	L0.5			12	53.182701	-57	-9.414143	54.282	0.9438	254.5622				
1594	TYC 7123-2151-1	PM				7	53.339572	-33	-26.53499	54.282	0.0550	32.9726	9.14			Puppis
1595	HD 120780	PM	K0V			13	52.597635	-50	-55.3037	54.291	0.3455	266.7596	-23.29			
1596	HD 43162C	PM	M3.5Ve			6	13.786277	-23	-54.41359	54.291	0.0669	15.6510				
1597	2MASS J21513839-4853542	Brown dwarf	T4.0			21	51.639883	-48	-53.90417	54.300	0.2683	115.9372				
1598	EM* UHA 49	Em	M3.84			20	52.969686	43	10.403303	54.300	0.2174	211.8976	29.43			
1599	GJ 3839	Flare star	M4.5V		13.4034892	14	17.091974	31	42.809006	54.300	0.3526	256.3535	-5.503			Boötis
1600	EGGR 471	White dwarf	DC9			2	32.631759	-14	-11.8628	54.309	0.3972	176.9836				
1601	LHS 3216	PM	K7			16	34.919667	-53	-34.63899	54.336	0.3930	194.9920	-55.21			
1602	LHS 3719	PM	M2			21	49.431894	-63	-6.865193	54.336	0.3062	326.5927				
1603	LP 839-29	PM				6	46.684722	-21	-50.26831	54.336	0.1175	255.5896				
1604	HD 229590	PM	K7			18	48.864528	17	26.336828	54.345	0.3421	224.0345	-22.3			
1605	GJ 3649		M1		9.932544564	11	12.649527	18	56.090586	54.355	0.0128	72.7759	31.8			Leonis
1606	G 134-30	PM				2	22.242828	45	42.018001	54.372	0.1960	272.0861	-10.58			
1607	Ross 324	PM	M0V			1	17.843802	28	40.229611	54.372	0.2510	232.6376	-69.6			
1608	LHS 2021	Brown dwarf	M7.5Ve			8	30.542838	9	47.257257	54.391	0.3904	226.8544	41			
1609	LP 886-73	UCAC4 Nearby Star Candidate Aug 2014	M			2.6549006		-26.82191		54.400	0.0620	112.1608				Fornacis
1610	LP 649-66	PM	M?			2	12.482972	-8	-4.183386	54.409	0.4399	233.6739				
1611	CD-42 469	PM	M0Vk:			1	21.576569	-41	-39.38417	54.418	0.7683	110.1890	25.43			
1612	LP 684-33	PM	M5.5			16	10.973841	-6	-31.54277	54.445	0.1119	196.8615				
1613	UCAC4 410-002545 (LP 696-66B)	M?	M?			2	12.486906	-8	-4.164176	54.454	0.4524	231.0666				
1614	2MASS J10101480-0406499	Brown dwarf	L6			10	10.246783	-4	-6.832167	54.482	0.1871	86.4348				
1615	EGGR 168	White dwarf	DAZ6.9			2	11.345667	39	55.368333	54.482	0.6698	115.6302	29			
1616	HD 196795	BY Draconis variable	K5V			20	39.628494	4	58.322335	54.482	0.5042	275.0497	-41.9			
1617	GJ 414.1	PM	M2.5Ve			11	11.324599	43	25.040086	54.500	0.4451	234.6112	-11.47			
1618	LP 570-92	PM	M1.0Ve			18	31.2675	6	50.166136	54.500	0.1060	127.3304	13.66			

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
1619	LP 840-16	PM	M2.0			7	8.1167944	-22	-48.78849	54.500	0.2740	240.9151	19.36			
1620	HD 43162	BY Draconis variable	G6.5V			6	13.754926	-23	-51.71615	54.518	0.0702	23.2878	21.91			
1621	GJ 4079	PM	M3			18	50.444062	-62	-3.062031	54.527	0.0626	304.0286				
1622	2MASS J08054616-5912504	PM	M			8	5.7694834	-59	-12.83862	54.536	0.3623	155.1161				Carinae
1623	GJ 4216 (Wolf 937)	PM	M3		11.90771968	21	45.012919	-5	-47.22232	54.540	0.2718	201.2691	45.243			Aquarii
1624	2MASS J20492745+3336512	PM				20	49.457339	33	36.849441	54.545	0.2684	206.7481				
1625	Ross 622	PM	M1.5Ve			8	51.729863	18	7.4987679	54.555	0.5243	266.6197	4.28			
1626	GJ 4109 (Ross 164)	PM	M3.5Ve		11.61037401	19	25.141398	28	21.229962	54.576	0.2507	331.2128			0.016	Cygni
1627	CD-45 543A	PM	K			1	38.724763	-45	-14.5254	54.582	0.0969	245.0557	21.71			
1628	CD-45 543B	PM				1	38.731235	-45	-14.78039	54.582	0.1004	243.9182	22.32			
1629	UCAC4 474-053145	PM	M4.0V			15	19.764225	4	39.57382	54.582	0.0595	343.6872	17.32			
1630	HD 130992	PM	K3.5V			14	51.674418	-24	-18.24794	54.600	0.6041	245.4411	-57.06			
1631	UCAC4 686-058038	PM	M3.5V			16	31.467711	47	10.353119	54.600	0.1016	39.8720	-16.75			
1632	LP 920-23	PM	M1.5			17	39.999627	-27	-7.114271	54.609	0.0978	331.5050				
1633	2MASS J13341148-7121513	PM				13	34.191572	-71	-21.85425	54.628	0.3284	233.3165				
1634	LP 695-372	PM	M6.5			20	42.75286	-5	-0.319644	54.628	0.1561	295.9218				
1635	Wolf 923	Flare	M4			21	33.815107	-6	-51.17263	54.637	0.3015	165.9006	3.3			
1636	LP 834-32	PM	M3.5			4	35.603202	-25	-27.57648	54.655	0.1205	161.0443				
1637	Wolf 1516	White dwarf	DC6			1	18.001252	16	10.342681	54.655	0.3786	181.5101				
1638	GJ 16	Star	M1V			0	18.276499	10	12.167311	54.664	0.0171	175.3493	-15.1			
1639	WT 2345	PM				23	47.362545	-12	-20.60074	54.674	0.1947	245.2392				
1640	beta Cas al-Sanam al-Nakah	giant	F2 IV		1.16	0	9.178333	59	8.9833333	54.683	0.3220	108.9525	4.3		0.011	Cassiopeiae
1641	2MASS J19064801+4011089	Brown dwarf	L1			19	6.8012511	40	11.143247	54.692	0.2757	112.3223				
1642	G 121-28	PM	M4.5V			11	52.965279	24	28.760102	54.692	0.1895	75.8669	-8			
1643	HD 120780B	PM				13	52.607816	-50	-55.29634	54.710	0.3516	263.2340				
1644	HD 152391	BY Draconis variable	G8.5Vk:			16	52.980042	0	1.5852717	54.720	0.9574	205.6275	45.09			
1645	Wolf 920	PM	M0V			21	27.280946	-6	-50.65638	54.729	0.2327	175.8058	53.63			
1646	G 80-21	PM	M3.0V			3	47.38902	-1	-58.33242	54.738	0.1910	146.6172	18.9			
1647	GJ 231.3 (Ross 417)	PM	M3		12.20973348	6	19.346377	-6	-39.36851	54.751	0.3642	183.3000	3.45			Monocerotis
1648	2MASS J12130336-0432437	Brown dwarf	L4.2V			12	13.055712	-4	-32.72897	54.775	0.2151	264.6297				
1649	LHS 3210	PM	M4V			16	31.584288	17	33.814314	54.784	0.5080	201.8345	7			
1650	Wolf 1051	PM	M3.0Ve			23	58.544117	7	39.51888	54.784	0.1873	165.6542	-8.3			
1651	2MASS J00251602+5422547	PM				0	25.267296	54	22.915082	54.802	0.2961	222.3361	-63.27			
1652	LP 580-33	PM	M3.0Ve			22	34.770146	4	2.6278621	54.802	0.0936	36.6641				
1653	HD 193202	PM	K7V			20	10.87363	77	14.338323	54.812	0.3004	353.6311	-1.51			
1654	2MASS J19253089+0938235	PM	M8/9V			19	25.515176	9	38.388233	54.821	0.1483	160.8146	-21			
1655	NLTT 16977	UCAC4 Nearby Star Candidate Aug 2014 Borderline with Mensae	M			6.7249401		-70.055732		54.836	0.1128	357.6645				Doradus
1656	LP 702-50	PM	M6.0			23	15.90844	-6	-27.7739	54.839	0.1854	98.0506	-1.45			
1657	2MASS J04291842-3123568		M7.5:			4	29.307763	-31	-23.94597	54.867	0.0703	326.3168	39.6			
1658	2MASS J11263991-5003550	Brown dwarf	L5			11	26.665183	-50	-3.916833	54.867	0.9483	74.4119				
1659	CD-58 538		M0Ve			2	39.019011	-58	-11.22461	54.876	0.0219	34.0739	0.58			

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
1660	HD 76151	PM	G2V			8	54.299116	-5	-26.06744	54.895	0.2412	85.8354	32.08			
1661	RX J2354.8+3831	PM	M3.1V			23	54.857624	38	31.603343	54.895	0.0915	236.7963	5.6			
1662	G 251-19	PM	M3.5Ve			7	3.498622	76	46.427765	54.904	0.1361	176.8373				
1663	L 147-101	PM	M1V			13	1.3274473	-63	-11.70309	54.922	0.3302	223.5873	32.51			
1664	Ross 1007	PM	M2V			13	19.668762	33	20.791809	54.932	0.1925	244.4541	-12.25			
1665	LP 44-334	PM	M7.0V			18	40.039833	72	40.9	54.941	0.1117	5.9778				
1666	HD 55575	PM	F9V			7	15.835654	47	14.39793	54.950	0.1098	170.8363	84.81			
1667	CD-46 12902		M0Vk:			19	16.715249	-45	-53.36208	54.960	0.2701	152.2649	-36.8			
1668	GJ 4203A (LHS 3686)	PM, B	M4		12.53162058	21	33.819024	1	47.027005	54.960	0.4207	180.5652				Aquarii
1669	DENIS J051737.7-334903	PM	M8.0V			5	17.628307	-33	-49.05121	54.969	0.3239	126.6848	-39			
1670	HD 174080	PM	K0			18	48.487088	10	44.727051	54.978	0.2647	163.6745	-7.07			
1671	L 294-92	PM				1	47.708502	-48	-36.08891	54.978	0.2275	142.7091				
1672	HD 221354	PM	K0V			23	31.370145	59	9.9311081	54.987	0.6470	275.8525	-25.01			
1673	UCAC3 123-175263	PM				15	16.884323	-28	-32.27388	54.987	0.5207	249.4297				
1674	CD-36 14261	RotV	M3Ve			20	36.138483	-36	-7.191896	55.006	0.0236	351.2480	16.16			
1675	Wolf 587	PM	M3.0Ve			15	50.186828	0	57.545635	55.024	0.1104	104.5551				
1676	[BHR2005] 832-2	low-mass	M5.5V			3	11.257953	1	6.5146226	55.034	0.0668	98.4171	3			
1677	2MASS J04325718+7407002	UCAC4 Nearby Star Candidate Aug 2014	M			4.5492282		74.116688		55.038	0.0864	146.3955				Camelopardalis
1678	39 tau		G5V	?	4.78	4	5.3376406	22	0.5342659	55.044	0.1256	127.2150	23.97			Tauri
1679	UPM 2040-8245	UCAC4 Nearby Star Candidate Aug 2014	M			20.682277		-82.752603		55.071	0.0848	145.1110				Octantis
1680	2MASS J22521073-1730134	Brown dwarf	L4.5+T3.5			22	52.17917	-17	-30.23215	55.080	0.2553	291.7458				
1681	HD 48948	PM	K5			6	49.950431	60	20.132705	55.099	0.2807	328.3396	-52.49			
1682	Ross 1019	PM	M4V			13	50.862693	36	44.285868	55.099	0.2603	79.2722	-2			
1683	APMPM J2134-4316	PM	M5.5			21	34.371635	-43	-16.17734	55.118	0.4696	169.5406				
1684	GJ 633 (LHS 3233)	PM Border area to Normae	M3.0V		12.77765842	16	40.754206	-45	-59.98831	55.118	0.3110	138.4081				Arae
1685	2MASS J10393240-3820020	PM				10	39.539746	-38	-20.04194	55.136	0.4268	202.4777				
1686	Wolf 90	PM	M4			1	51.402884	21	23.657726	55.136	0.2022	180.5608	-2.19			
1687	UPM 1809-1027	UCAC4 Nearby Star Candidate Aug 2014 Borderline with Ophiuchi	M			18.164437		-10.45369		55.138	0.0613	214.8361				Serpentis
1688	SCR J1343-4002	PM				13	43.691446	-40	-2.48719	55.164	0.1241	117.2735				
1689	GJ 3942	PM	M0.5Ve			16	9.0523523	52	56.63264	55.183	0.1240	286.9077	-19.37			
1690	GJ 4306	PM	M1.0Ve			22	55.997426	17	48.66332	55.202	0.0657	167.3748	-32.44			
1691	SCR J0708-6706	White dwarf	DC			7	8.87135	-67	-6.523763	55.202	0.1415	247.3198				
1692	LHS 2813	PM	M2			13	51.362647	-53	-32.76507	55.211	0.3170	139.5961	-677.14			
1693	G 107-65	PM	M1V			7	23.248252	46	5.244757	55.239	0.1552	206.8759	-31.71			
1694	GJ 4367 (LHS 4021)		M3.67		12.54771968	23	50.52738	-9	-33.54426	55.250	0.4447	123.8699	-32.177			Aquarii
1695	HD 224953B	PM				0	2.155866	-68	-16.88851	55.258	0.1811	140.2435	-34.99			
1696	LP 415-217	PM				4	34.630544	19	6.0837841	55.295	0.1192	251.7520				
1697	BD-13 5069	PM	M0			18	40.95513	-13	-22.77658	55.305	0.3943	187.9987	-33.67			
1698	LHS 2024	PM	M4			8	31.390959	-10	-29.8952	55.305	0.3935	241.3052				

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
1699	GJ 3893 (G 136.72)	PM Border line with Serpentis	M4.27		12.54424545	15	10.080167	19	21.478333	55.314	0.2653	179.7487	27.706			Boötis
1700	UCAC4 280-042698	PM				8	35.528867	-34	-0.620268	55.323	0.2520	190.8721				
1701	GJ 3966	Flare star	M4.0V		12.64759626	16	35.457169	35	0.9605153	55.333	0.1169	136.5526	4.36			Herculis
1702	Ross 992	PM	M3V			14	15.283	45	0.8880083	55.342	0.4134	251.6263	14.3			
1703	UCAC4 347-066233	PM				13	30.682494	-20	-39.06246	55.342	0.3453	149.8424	9.98			
1704	2MASS J22551861-5713056	Brown dwarf	L5.5			22	55.310005	-57	-13.1044	55.352	0.1905	222.0133				
1705	2MASS J15394189-0520428	Brown dwarf	L4.2V			15	39.698729	-5	-20.71274	55.389	0.3487	280.0474	27.33			
1706	HD 7924	Star	K0.5V			1	21.98522	76	42.617289	55.389	0.0277	226.6877	-22.7			
1707	2MASS J02224767-2732349	PM				2	22.79446	-27	-32.58516	55.408	0.1370	235.5262				
1708	LHS 499	PM	M1.5			20	51.693024	-79	-18.66639	55.408	0.7054	144.2296	25.83			
1709	UCAC4 434-042012	PM	M3.5V			7	49.702393	-3	-20.56589	55.427	0.0995	250.5449	-24.15			
1710	2MASS J20045709+0321076	PM	M5V			20	4.9516167	3	21.128782	55.436	0.2047	196.8934	9			
1711	LHS 3547	PM				20	24.846471	74	12.410264	55.465	0.3939	339.7855				
1712	SCR J1118-4721	White dwarf	DC			11	18.453326	-47	-21.94934	55.493	0.1938	84.0870				
1713	2MASSI J1438082+640836	Brown dwarf	L0.2V			14	38.137829	64	8.6050209	55.503	0.3933	107.7663	-44.9			
1714	GJ 1228 (Eggr 374)	White dwarf	DQ7P		14.63684637	18	30.337854	54	47.453483	55.507	0.2283	42.8785				Draconis
1715	HD 160910		F4 Vw			17	41.977226	15	57.14601	55.512	0.0610	4.2140	-41			Herculis
1716	2MASS J00045753-1709369	low-mass	M5.5V			0	4.9591523	-17	-9.615949	55.521	0.0846	93.3504	3.2			
1717	L 160-5	PM				19	19.686769	-59	-55.32536	55.521	0.2011	225.0517				
1718	2MASS J10452400-0149576	Brown dwarf	L1			10	45.399696	-1	-49.96277	55.540	0.2954	268.8449	6.31			
1719	L 750-79	PM	M2.5V			9	42.594554	-19	-14.08563	55.540	0.3041	245.3784	43.56			
1720	LP 994-96	PM	M2.5			3	18.758024	-40	-51.56944	55.550	0.2013	330.1986	28.79			
1721	GJ 264.1 (HD 53705)	PM	G1.5V		4.51	7	3.955254	-43	-36.48203	55.559	0.2347	15.0933	88.87		0.016	Puppis
1722	GJ 264.2 (HD 53706)	PM	K0.5V		5.897240095	7	3.9820217	-43	-36.68117	55.559	0.2301	14.9067	88.62			Puppis
1723	2MASS J11361611+5624017	PM	M4.0			11	36.26874	56	24.025599	55.588	0.1116	120.2936				
1724	2MASSW J0015447+351603	Brown dwarf	L1.0V			0	15.746228	35	16.04399	55.588	0.1510	161.3557	-37.35			
1725	ksi Oph		F2V			17	21.006241	-21	-6.776449	55.597	0.1940	127.1977	-8.93			Ophiuchi
1726	GJ 3136	Border line with Andromedae	M4V		11.6954902	2	8.8937369	49	26.94068	55.599	0.2184	140.9103	-8.1			Persei
1727	LAWD 23	White dwarf	DA2.3			6	47.633162	37	30.951041	55.626	0.5617	193.7649	80			
1728	TYC 5383-675-1	Star				6	48.225736	-10	-25.71982	55.635	0.0189	172.7347	-8.46			
1729	RX J1417.3+4525	UCAC4 Nearby Star Candidate Aug 2014 Borderline area with Boötis	M			14.289473		45.429451		55.642	0.0293	109.3329				Canum Venaticorum
1730	G 155-42	PM	M2.5			18	48.021151	-14	-34.85336	55.654	0.1948	224.9348				
1731	G 126-30	PM	M4.5			21	44.132991	17	4.6218973	55.673	0.1426	270.3429				
1732	LP 771-77	PM	M3.5			3	4.0748947	-20	-22.71473	55.683	0.4005	134.9057				
1733	Ross 1026	PM	M3.5Ve			13	40.146524	43	46.632377	55.683	0.6549	74.2701	-22			
1734	SDSS J115052.32+683116.1	White dwarf	DA7			11	50.872216	68	31.266221	55.683	0.0275	150.3932	-21			
1735	WT 178	PM	M4.5			5	37.662827	-61	-54.72797	55.692	0.2938	344.7044				
1736	2MASS J06104503-3346226	PM				6	10.750662	-33	-46.37357	55.711	0.4971	308.4594				
1737	G 111-64	White dwarf	DC			8	14.186089	48	45.496833	55.711	0.1526	165.2521				
1738	HD 111395	BY Draconis variable	G5V			12	48.784137	24	50.413671	55.711	0.2043	252.5005	-8.94			
1739	HD 65583	PM	K0V_Fe-1.3			8	0.5354952	29	12.741277	55.711	0.6849	188.2975	14.89			

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
1740	Ross 1051	PM	M1V			15	4.3083974	60	23.075236	55.730	0.3962	74.8330	-26.71			
1741	UCAC3 177-269680	PM	M5.6V			20	53.152285	-1	-33.07273	55.730	0.2644	118.3421	-41.1			
1742	GJ 3221	Flare	M3.5V			3	23.373641	11	41.222695	55.740	0.1695	239.4865	4.81			
1743	Wolf 944	PM	M4			21	46.937382	46	38.103801	55.749	0.1622	91.1147				
1744	2MASS J18062369-3601237	PM	M0			18	6.3952472	-36	-1.392862	55.759	0.0666	276.3536				
1745	LHS 2973	PM				14	46.011629	46	33.411877	55.759	0.3750	129.7528				
1746	BD+12 1944		M1V			8	57.078027	11	38.813309	55.769	0.1804	185.5231	-12.3			
1747	BD+45 4378	PM	K7V			23	58.724803	46	43.745621	55.778	0.3799	271.1713	5.8			
1748	58 Oph	PM	F5V			17	43.429899	-21	-40.99158	55.788	0.0624	245.4473	10.16			Ophiuchi
1749	G 126-31	PM	M4V			21	44.150464	17	3.5824834	55.797	0.1465	270.7340	-3			
1750	LAWD 93	White dwarf	DA3.8			23	43.845424	32	32.777573	55.797	0.1281	251.7156	15.7			
1751	UPM 0329-3844	UCAC4 Nearby Star Candidate Aug 2014 Borderline with Phoenicis	M			3.4893123		-38.734121		55.810	0.0462	22.9525				Fornacis
1752	UPM 0350+1414	UCAC4 Nearby Star Candidate Aug 2014 Borderline with Pegasi	M			3.8498613		14.233802		55.810	0.0595	136.8629				Arietis
1753	G 174-25	PM M Sub-dwarf high metallic: Titanium & Calcium	sdM3			2	58.110241	50	14.224369	55.816	0.1831	357.5378	-29.47			
1754	G 43-2	PM	M3.0V			9	48.836673	15	38.747871	55.835	0.1337	4.9037	-0.8			
1755	LP 861-22	PM	M4.5			16	6.4911006	-24	-7.411269	55.845	0.2235	57.5578				
1756	UCAC2 26134918	Star				23	28.409674	-15	-55.50714	55.845	0.0212	19.6859	-4.59			
1757	HD 15285		M2V			2	27.764358	4	25.929148	55.855	0.1484	340.1969	5.99			
1758	HD 62613	PM	G8V			7	56.287135	80	15.932577	55.874	0.2818	79.3890	-7.75			
1759	LTT 9828	PM	M7			23	59.746217	-44	-5.005504	55.912	0.1584	357.6841				
1760	2MASS J18352154-3123385 (UCAC4 294-197036)	binary Red dwarf - A is likely a flare star	M6.5V	M8V		18	35.358959	-31	-23.63872	55.941	0.0194	266.2088				Sagittarii
1761	LHS 6009	PM				0	39.315598	55	8.2171046	55.941	0.2502	237.0087	-29.76			
1762	LHS 2222	PM	M4			10	7.9888818	69	14.761692	55.960	0.5292	88.4667				
1763	BD-17 3088	PM	K7V			10	12.136148	-18	-37.0686	55.979	0.2892	266.0652	-2.7			
1764	LP 417-213	PM	M0.5Ve			5	29.450286	15	34.637378	55.979	0.0889	213.0786	-5.1			
1765	L 88-43	PM				1	53.61692	-66	-53.56248	55.999	0.2518	291.2818				
1766	2MASS J21041491-1037369	Brown dwarf	L2			21	4.2494179	-10	-37.62242	56.008	0.3928	114.5914	-30.9			
1767	BD+81 465	PM	M3V			14	8.2163568	80	35.836537	56.008	0.3395	158.6764	7.01			
1768	Ross 555	PM	M3.5			1	51.811445	-10	-48.20812	56.018	0.4561	133.4960	-11.1			
1769	29 G. Sgr (HD 165185)	PM	G1V		4.74	18	6.3953187	-36	-1.187158	56.051	0.0621	274.7083	15			Sagittarii
1770	BD+16 502	PM	K6V			3	43.87607	16	40.321753	56.066	0.2057	153.4665	34.18			
1771	BR B1222-1221	PM	M8Ve			12	24.869766	-12	-38.59514	56.066	0.2085	238.1830	-2.87			
1772	HD 124642	PM	K3.5V			14	13.951306	30	13.031238	56.066	0.2530	66.2511	-16.12			
1773	LP 417-212 B	PM	K7V			5	29.43523	15	34.753137	56.095	0.0807	215.5361				
1774	LP 691-15	PM	M4.5V			18	49.106723	-3	-15.29141	56.105	0.1569	92.2643	-10.13			
1775	G 77-46	PM	M2V			3	21.782052	-6	-40.40362	56.134	0.1903	98.3446	25.83			
1776	L 597-18	PM	M3.5			6	43.677672	-26	-24.68283	56.134	0.2689	224.2708	30.24			

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
1777	rho CrB	Solar Twin	G0+VaFe-1			16	1.0443627	33	18.21055	56.153	0.4640	194.2714	17.75	1g, debris		Coronae Borealis
1778	UCAC4 226-198878	PM	M4.0			22	6.6782447	-44	-58.1255	56.153	0.4318	218.2064				
1779	MCC 428	PM	M0V			3	43.754121	16	40.036157	56.163	0.2021	153.2772	34.5			
1780	GJ 3076	Flare	M5.93		14.71941004	1	11.423733	15	26.358333	56.172	0.1349	124.1013	4			Piscium
1781	LP 315-53	PM	M8V			10	16.578417	27	51.829833	56.172	0.2674	199.9725	25			
1782	iota Hor	Solar Twin	G0Vp		4.27	2	42.5275	-50	-48.20983	56.200	2.3229	33.3000	15.5	1e	0.057	Horologii
1783	2MASS J18352205-3123421 (UCAC4 294-197044)	PM				18	35.367459	-31	-23.6995	56.221	0.2217	175.7179				Sagittarii
1784	HD 135204		G9V			15	13.848245	-1	-21.08326	56.231	0.7951	248.3703	-69.48			
1785	LP 739-2	PM	M4.5V			13	58.269523	-12	-2.984085	56.231	0.1982	82.7325				
1786	SCR J0956-4234	PM	M			9	56.616984	-42	-34.46321	56.231	0.3693	146.8788				
1787	HD 121271		M0Vk			13	55.042616	-29	-5.431877	56.240	0.1708	249.9049				
1788	L 460-126	PM				8	53.477497	-39	-24.68283	56.240	0.2212	266.4293				
1789	2MASS J12551214-5928172	PM				12	55.202363	-59	-28.28524	56.250	0.2254	176.3442				
1790	2MASS J11555389+0559577	Brown dwarf	L5			11	55.898167	5	59.961667	56.269	0.2467	262.6152	39			
1791	LP 925-37	PM				19	43.863312	-32	-24.06763	56.269	0.2420	183.3701				
1792	UCAC3 48-32626	PM				8	2.5274611	-66	-1.555102	56.269	0.1110	232.8407	45.37			
1793	UCAC4 576-020498	PM	M3.0Ve			5	53.030355	25	7.7280848	56.269	0.1117	153.1974				
1794	HD 47752	PM	K3.5V			6	41.261852	23	57.462972	56.279	0.2006	143.3609	-44.21			
1795	HD 67199	PM	K2Vk:			8	2.5197867	-66	-1.256331	56.289	0.1194	230.3757	45.39			
1796	L 591-70	PM	M3.5			4	36.937194	-29	-3.462143	56.289	0.3168	288.3019				
1797	UCAC4 165-010151	PM	M4			7	9.6276062	-57	-3.702188	56.289	0.2722	314.9216	56.22			
1798	EGGR 378	White dwarf	DA3.4			21	18.937729	54	12.687366	56.299	0.1230	23.8591				
1799	LP 430-46	PM	M6.5			10	36.145262	19	23.510904	56.367	0.2592	149.0678				
1800	gamma CrA	B	F8V	F8V		19	6.4185023	-37	-3.806502	56.377	0.1733	161.0474	-51.6			Coronae Australis
1801	HD 53680	PM	K6V			7	3.8368951	-43	-33.69014	56.377	0.2583	11.8777	88.76			
1802	LTT 8096	PM				20	27.62251	-54	-52.98688	56.386	0.1902	52.1312	43.22			
1803	EGGR 498	White dwarf	DA10			20	5.5812213	-10	-56.90722	56.406	0.6205	94.3868				
1804	GJ 3117A (G 244-37)	PM	M2.5Ve			1	51.852207	64	26.098702	56.406	0.1784	129.1567	-13.32			Cassiopeiae
1805	HD 94765	BY Draconis variable	K0V			10	56.513322	7	23.30848	56.406	0.1562	253.2180	5.54			
1806	Wolf 1450	PM	M2.5			5	29.867036	-3	-26.50114	56.406	0.3201	212.3035				
1807	del Gem	SB	A8V+K6V			7	20.122974	21	58.938413	56.425	0.0203	243.5754	4.1			Geminorum
1808	NLTT 37185	PM				14	23.042892	51	46.5087	56.464	0.2391	298.0724				
1809	2MASS J21272531+5553150	PM				21	27.422203	55	53.250521	56.494	0.2364	310.5269				
1810	q 1 Eri	PM	F9V			1	42.488581	-53	-44.44985	56.504	0.1143	122.4676	27.82			Eridani
1811	GJ 4056 (G 21-13)	PM	M2.5Ve		11.12666248	18	24.086472	1	41.269101	56.504	0.1638	147.7735			0.057	Serpentis
1812	UCAC3 321-46288	PM	M3.5			12	6.9293405	70	7.815588	56.523	0.1349	279.1012				
1813	UCAC4 501-008649	PM	M3.0V			4	48.789879	10	3.04436	56.523	0.0625	221.8683	10.3			
1814	HIP 101516 (Wolf 1346)	White dwarf	DA		10.681339	20	34.369072	25	3.9113772	56.560	0.4032	215.6222	71			Vulpeculae
1815	39 Ser		G1VFe-1		4.86	15	53.201616	13	11.797378	56.579	0.3376	195.0244	39.88			Serpentis
1816	HD 200968B	PM	M0			21	7.1731452	-13	-55.44465	56.602	0.2081	93.0448				
1817	UCAC3 124-114097	PM				8	50.168305	-28	-22.08174	56.602	0.0431	343.0564				
1818	2MASS J18373180+2030424	PM	M5.5			18	37.530183	20	30.700557	56.612	0.1746	163.2797				

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
1819	HD 139664 (g Lup G121 Lup)	(debris disc)	F3/5V			15	41.189649	-44	-39.67256	56.661	0.1836	212.7007	-7.08			Lupi
1820	CD-36 491	PM	M2.5V			1	17.256816	-35	-42.95355	56.671	0.1138	152.0189	42.96			
1821	HD 283750B	White dwarf	DC8			4	36.748265	27	9.8587276	56.671	0.1580	123.1203				
1822	LSPM J0540+6417	PM				5	40.392307	64	17.0599	56.681	0.1982	251.9520				
1823	UPM 0937-2547	UCAC4 Nearby Star Candidate Aug 2014 Borderline with Ceti	M			9.6263137		-25.787651		56.683	0.0387	69.2222				Pyxidis
1824	HD 64606	SB	K0V			7	54.569661	-1	-24.73678	56.730	0.1464	255.6395	102.77			
1825	LP 768-712	PM	M3.0			1	47.128063	-14	-24.73484	56.730	0.0984	30.3208				
1826	chi Eri	PM	G8IIIbCNIV			1	55.957601	-51	-36.53289	56.779	0.4325	293.4058	-6.3			Eridani
1827	LHS 1311	PM				1	53.84261	-10	-32.22928	56.779	0.3926	113.7683	16.1			
1828	243 G. Vir (HD 126053)		G1.5V		5.02	14	23.254746	1	14.49403	56.815	0.3072	154.9508	-19.166			Virginis
1829	V* CQ Tuc	BY Draconis variable	M2.5			0	6.3197547	-65	-50.43196	56.819	0.3395	160.2606	-5.2			
1830	2MASS J20333668-2120096	PM	M2.0			20	33.611262	-21	-20.16843	56.829	0.0815	239.1466	2.54			
1831	BD+45 2688	RotV	M0V			18	16.518106	45	33.4712	56.829	0.1965	2.2426	-38.68			
1832	WT 562	PM				18	26.32932	-65	-47.68017	56.839	0.3602	181.1498				
1833	BD+01 2684	Flare	K7V			12	20.425548	0	35.014109	56.859	0.0342	117.4687	-16			
1834	2MASS J01462935-5339325	PM	M4.5			1	46.489148	-53	-39.54306	56.869	0.1122	122.7665				
1835	2MASS J07025026-6102482	PM Red & White dwarf stars Subasavage 2004	M7.0			7	2.8388095	-61	-2.79123	56.869	0.5352	325.0000				Carinae
1836	Ross 1063	PM	M2V			19	33.657371	39	31.610341	56.869	0.2782	151.8890				
1837	SSTISAGEMA J011305.24-705037.6	PM				1	13.089252	-70	-50.62785	56.869	0.0435	84.1324				
1838	LP 455-12	PM	M2.5Ve			20	18.742662	15	50.770686	56.888	0.1345	107.8863	-12.98			
1839	2MASS J20392378-2926335	Brown dwarf	M5.5V			20	39.3965	-29	-26.56	56.898	0.4649	157.6394				
1840	HD 193664	PM	G3V			20	17.522138	66	51.22136	56.898	0.3229	302.4125	-4.7			
1841	Ross 19	PM	M3.5Ve			2	19.050151	35	21.310038	56.908	0.4627	122.5183				
1842	UCAC3 116-493567	PM				22	38.861776	-32	-16.54155	56.908	0.0692	107.7398	2.31			
1843	37 Gem		G0 V			6	18.311112	25	22.533333	56.916	0.0262	57.4167	-15.01			Geminorum
1844	LP 613-62	PM	M5			11	51.921682	-1	-31.53707	56.938	0.1244	138.2852	-20.84			
1845	HD 35650	RotV	K6V			5	24.502829	-38	-58.17911	56.948	0.0417	143.0323	32.08			
1846	NLTT 20861	PM	M7V			9	3.3493333	5	40.241667	56.958	0.2220	190.8742	-26			
1847	UCAC4 240-000170	PM				0	9.7506929	-42	-1.655044	56.958	0.1565	93.4268	-2.11			
1848	LP 831-68	PM	M1.5			3	16.796896	-21	-25.43456	56.968	0.1696	298.1113	26.57			
1849	G 161-34	PM	M4.5			9	28.928556	-7	-22.19752	56.978	0.4257	193.1535				
1850	UCAC4 704-119624	PM	M3.0Ve			23	54.941326	50	36.246927	56.988	0.0318	280.8098				
1851	2MASS J04513734-5818519	PM	M6.5V			4	51.62226	-58	-18.86737	57.008	0.4151	193.9383				
1852	HD 1237	PM	G8V			0	16.2113	-79	-51.07071	57.008	0.2546	97.4498	-2.1			
1853	MCC 99		M2.0Ve			3	9.5135323	45	43.980473	57.048	0.3309	227.9273	-8.3			
1854	2MASS J02534448-7959133	low-mass	M5.5e			2	53.74123	-79	-59.22102	57.058	0.0708	317.8624				
1855	HD 283750	BY Draconis variable	K2.5Ve			4	36.804022	27	7.9316385	57.058	0.1606	122.4614	41.63			
1856	LP 31-301	PM	M4			4	5.9578333	71	16.686667	57.058	0.2451	154.7120				
1857	LP 31-302		M5e			4	5.942	71	16.641667	57.058	0.2451	154.7120				
1858	G 124-43	Flare	M4.5			14	27.934575	0	22.518909	57.078	0.2117	83.4299	2.36			

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
1859	HD 148467	PM	K6V			16	27.948454	7	18.32662	57.108	0.2113	223.2316	-36.29			
1860	UCAC4 329-061734	PM				11	9.8878459	-24	-14.99193	57.108	0.0640	336.2251	-11.4			
1861	2MASS J18545092-5704417	PM				18	54.848833	-57	-4.695532	57.118	0.3316	235.4965				
1862	G 124-44	Flare	M4.5			14	27.940001	0	22.319508	57.118	0.2137	81.7633	-5.99			
1863	GJ 895.2 (V* ZZ Psc)	Pulsating White dwarf	DA4.1		12.34767205	23	28.793941	5	14.903916	57.138	0.2788	236.1833	13.1			Piscium
1864	GSC 04160-00286	PM	M4.0			11	57.830112	66	33.733847	57.148	0.0747	121.7844				
1865	EGGR 199	White dwarf	DA6.8			17	49.843167	82	46.403333	57.158	2.0884	23.4585				
1866	LHS 460	PM	M5.0V			18	17.2515	68	33.331667	57.158	1.0069	203.6768	-72			
1867	G 43343	PM	M4.0V			4	22.98769	25	59.238094	57.178	0.1437	172.0054	9.83			
1868	L 671-20	PM	M2V:			7	7.3820208	-21	-27.45511	57.178	0.1669	137.1538	26.98			
1869	LHS 2072	PM	M3.5			8	55.078994	-71	-35.79954	57.178	0.3218	22.2541				
1870	BD+57 1274	PM	K5V			10	31.720406	57	6.9517952	57.198	0.1078	21.2870	-4.89			
1871	L 87-2	PM				0	57.208032	-64	-15.39901	57.198	0.2295	297.2032	15.54			
1872	Ross 588	PM	M0V			3	47.968304	2	47.269169	57.198	0.3374	222.8797	8.3			
1873	LP 932-81	PM				22	48.63977	-31	-8.678554	57.208	0.2589	106.1638				
1874	LP 658-33	PM	M4.5V			5	47.151975	-5	-12.18979	57.218	0.4470	136.1755	-54.88			
1875	10 CVn	PM	F9V_Fe-0.3			12	44.990084	39	16.734972	57.228	0.2244	68.8772	80.35			Canum Venaticorum
1876	DENIS J184851.0-821441	PM				18	48.852509	-82	-14.70228	57.228	0.1612	190.5046				
1877	LHS 3149	PM	M4.5			16	4.3331057	-6	-16.76656	57.228	0.5059	184.7291				
1878	2MUCD 10764	Brown dwarf	L1.5			8	47.479028	-15	-32.62295	57.238	0.1395	146.4020	-1			
1879	HD 25004	PM	K6Vk:			3	56.60634	-41	-20.61417	57.238	0.0646	326.6315	25.78			
1880	EGGR 261	White dwarf	DA3.4			20	49.111663	37	28.234197	57.258	0.1277	312.4223	71			
1881	HD 200968		K1V			21	7.1730175	-13	-55.37579	57.258	0.2244	96.9546	-32.1			
1882	EC 19249-7343	Candidate_Sym				19	31.0234	-73	-37.08707	57.268	0.1657	122.0612	1.6			
1883	59 Vir (Gliese 504)	1g, b	G0Vs		3.92	13	16.7785	9	25.421667	57.270	0.2235	60.3224	-25.9			Virginis
1884	CD-46 76	PM	K7.0			0	21.326996	-45	-44.78514	57.299	0.4761	175.0990	1.74			
1885	HD 65277B	PM				7	57.967871	0	48.818309	57.309	0.0919	78.7631				
1886	LP 734-29	PM				12	8.7293552	-11	-33.7524	57.309	0.2397	143.0705				
1887	Ross 268	PM	M3.5Ve			22	6.3769585	17	22.346181	57.329	0.2163	283.0901				
1888	LP 214-42	PM	M5.0			11	8.8239886	39	55.211096	57.339	0.2065	243.3490				
1889	RBS 72	UCAC4 Nearby Star Candidate Aug 2014	M			0.5071425		-62.600431		57.388	0.0620	116.7573				Tucanae
1890	LP 222-65	PM	M7V			15	16.678594	39	10.80652	57.389	0.1235	253.2775	-17			
1891	Wolf 926	PM	M2.5Ve			21	34.838984	51	32.226641	57.389	0.3232	304.3118	-14.5			
1892	LHS 6365	PM				20	48.850037	11	27.333756	57.420	0.2551	98.1301	-27.7			
1893	2MUCD 11946	Brown dwarf	L5.5			20	2.8451917	-5	-21.87637	57.440	0.0930	224.1569				
1894	LHS 269	PM	M5.0			9	29.184641	25	58.154618	57.450	0.6298	255.5505				
1895	LP 728-71	PM	M3.5V			9	52.696317	-15	-36.22936	57.460	0.1044	221.5371	-14.2			
1896	tau 6 Eri 27		F5IV-V			3	46.848333	-23	-14.98333	57.464	0.3223	196.9194	7.19			Eridani
1897	UCAC4 463-128595	PM	M3.0Ve			21	16.454738	2	34.856514	57.470	0.1458	99.1068				
1898	Wolf 990	PM	M4			22	6.7727248	3	25.064335	57.511	0.3312	124.1751	1.28			
1899	LHS 267	PM	M4V			9	20.965802	3	22.107277	57.521	0.6860	164.5280	1			
1900	CD-27 13268	PM	K8Vk			18	50.352715	-26	-55.41809	57.542	0.0829	260.6941	22.12			

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
1901	CD-27 7978	PM	K7			11	17.125116	-27	-48.81185	57.552	0.1271	110.4444	-20.36			
1902	HD 152606	PM	K8Vk			16	55.633574	-32	-4.062121	57.552	0.1983	163.7999	-18.45			
1903	2MASS J07511645-2530432	Brown dwarf	L1.1V			7	51.273253	-25	-30.71737	57.592	0.5184	80.5716	32			
1904	G 110-2	PM	M4.5V			6	36.106441	11	37.051658	57.592	0.5098	193.5566	137.51			
1905	HD 183870B	PM	M5			19	32.135093	-11	-19.95617	57.603	0.1377	275.5522	-48.3			
1906	2MASS J07312949+0249084	PM				7	31.491601	2	49.141075	57.613	0.1271	88.9973				
1907	Ross 193	Flare	M3Vnne			20	56.808869	-4	-50.81883	57.623	0.4763	105.7608	-42.7			
1908	HD 150848	PM	M0V			16	45.2822	-38	-48.55798	57.633	0.0266	170.5000	-20.3			
1909	LHS 3227	PM	M6.0			16	37.023881	35	35.747205	57.633	0.3172	201.1341	-2.18			
1910	HD 183870	PM	K2V			19	32.111738	-11	-16.49649	57.643	0.1368	274.4226	-48.77			
1911	L 415-82	PM	M1.5			17	57.237065	-41	-59.48611	57.643	0.2191	190.5609				
1912	LP 264-45	PM	M6V			11	22.712929	37	55.806121	57.643	0.1446	272.9725	-6			
1913	LHS 2051	PM	M4.5			8	48.494597	61	9.0962899	57.654	0.3353	135.5923				
1914	G 43-23	PM	M4			10	2.7074222	14	59.216835	57.674	0.1597	150.5968	41.22			
1915	HD 21175	PM	K0V			3	23.587602	-40	-4.582815	57.674	0.0423	299.1743	12.19			
1916	LP 740-44	PM				14	41.766632	-14	-27.28924	57.674	0.1356	218.5771				
1917	HD 30876	PM	K2V			4	49.872199	-35	-6.457801	57.694	0.0680	192.8505	21.97			
1918	UCAC4 371-059841	PM				10	56.648572	-15	-52.89191	57.694	0.2677	169.9926	995.52			
1919	G 90-44	PM	M3.0Ve			8	6.8068616	36	45.645979	57.725	0.2410	201.7834				
1920	HD 204587	PM	K7Vk:			21	30.045934	-12	-30.60411	57.735	0.6122	104.2769	-84.53			
1921	UCAC4 178-001194	PM				1	13.27376	-54	-29.23039	57.735	0.2338	287.9222				
1922	15 Sge	B Brown dwarf	G1V	L6	4.56	20	4.1036818	17	4.2112905	57.740	0.3323	222.7330	4.57			Sagittae
1923	2MASS J16294427-2441218	UCAC4 Nearby Star Candidate Aug 2014	M			16.495635		-24.6894		57.758	0.0160	205.8210				Scorpii
1924	UPM 1813-1820	UCAC4 Nearby Star Candidate Aug 2014	M			18.232218		-18.339158		57.758	0.0331	274.2364				Sagittarii
1925	HD 113194	PM	K5Vk:			13	2.344812	-26	-47.22708	57.766	0.1468	218.2061	10.63			
1926	HD 102438	PM	G6V			11	47.263462	-30	-17.19062	57.797	0.2039	229.4103	14.12			
1927	DEN 1109-2414	UCAC4 Nearby Star Candidate Aug 2014 Borderline with Corvi	M			11.164797		-24.249862		57.825	0.0640	337.6085				Crateris
1928	iot Pav	PM	G0V			18	10.435853	-62	-0.134322	57.838	0.1392	18.4770	30.2			Pavonis
1929	BD+17 2785	PM	K5V			14	46.38804	16	29.801949	57.848	0.5401	186.7199	42.64			
1930	tau 1 Hya A	B	F6V	K0		9	29.149015	-2	-46.13682	57.875	0.0647	105.4734	10.484			Hydrae
1931	TYC 2270-1222-1	Star				0	27.626309	34	43.046422	57.879	0.0093	39.0274				
1932	HD 188807	PM	K7V			19	57.327375	-12	-34.07938	57.910	0.3045	190.3210	-11.69			
1933	GJ 1136 A	PM	M0Vk:			10	41.863914	-36	-38.00215	57.920	0.0679	53.2005	30.7			
1934	LHS 3503	PM				19	57.396732	-12	-33.83704	57.951	0.3058	189.7780				
1935	G 125-23	PM	M4			19	38.728957	33	11.595216	57.972	0.1730	331.3496	-0.23			
1936	GJ 3981	Flare Star	M4.0V		12.56245363	16	58.4219	13	58.178167	57.972	0.2326	86.4147	-8.559			Serpentis
1937	BD+05 127	PM	M0.0Ve			0	57.742532	5	51.343658	57.982	0.0324	88.7156	-16.15			
1938	CD-24 6144	PM	M			7	54.18138	-25	-18.19034	57.982	0.2105	56.2678	62.88			
1939	HD 79555	PM	K4V			9	14.894146	4	26.570158	57.992	0.0454	77.6743	8.54			

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
1940	SCR J1209-3815	PM				12	9.3935346	-38	-15.70947	58.002	0.1465	213.0986				
1941	UCAC3 331-28458	PM				9	0.2148647	75	22.370003	58.013	0.0688	157.1194				
1942	G 210-20	PM				20	28.367324	34	12.145337	58.023	0.2054	97.8689				
1943	BD-06 6318	PM	M2.5Vk			23	55.663034	-6	-8.555914	58.033	0.3554	231.6521	17.07			
1944	HD 65277		K4V			7	57.9631	0	48.865	58.033	0.0908	88.6666	-4.41			
1945	SCR J0753-2524	White dwarf	DA10			7	53.943639	-25	-24.02468	58.054	0.2109	55.2552				
1946	2MASS J21513137-4017229	PM				21	51.523075	-40	-17.38613	58.065	0.2805	123.4062				
1947	GJ 3765	PM	M0			13	8.9270087	49	4.8239591	58.065	0.0665	60.3716	10.86			
1948	HD 65277A	PM				7	57.963085	0	48.86445	58.065	0.0920	87.4981				
1949	GJ 3508	PM	M3.0Ve			8	37.132636	15	7.7587626	58.075	0.5255	188.0853	83.4			
1950	LHS 5221	PM	M:			12	37.360779	-32	-0.611378	58.075	0.2850	152.3076				
1951	alf com (42 Com)	B	F5 V	F6V		13	9.9880867	17	31.767315	58.075	0.2650	71.9393	-16.05		0.036	Comae Berenices
1952	2MASS J16154245+0546400	Brown dwarf	M9			16	15.707604	5	46.667759	58.085	0.1019	126.0917	7			
1953	LP 496-48	PM	M6V			12	54.846491	11	59.241955	58.085	0.2790	214.8296	-21			
1954	UPM 1818-3710	UCAC4 Nearby Star Candidate Aug 2014 Borderline with Scorpii and Coronae Australis	M			18.309834		-37.170186		58.093	0.0604	193.9425				Sagittarii
1955	APMPM J1251-2121	PM	M7.5e			12	50.877513	-21	-21.22678	58.096	0.3239	126.3879				
1956	LHS 1052	PM	M4V			0	16.938276	5	7.4400395	58.106	0.3666	188.2008	0			
1957	LSPM J1437+7536S	PM				14	37.209117	75	36.726106	58.106	0.1245	127.9338				
1958	iota Cen (Alhakim)	dwarf	kA1.5hA3mA3Va		1.1	13	20.59688	-36	-42.73827	58.116	0.2033	256.3969	0.1			Centauri
1959	eta Ser	Giant Donghai, Tung Hae[2]	K0III-IV		1.84	18	21.310029	-2	-53.93037	58.137	0.5177	217.9868	9.83			Serpentis
1960	G 172-15	PM	M3.0Ve			0	38.564581	51	27.964505	58.147	0.1344	81.1417	34.75			
1961	HD 132683	PM	K8Vk			15	0.7235521	-11	-8.107783	58.158	0.2801	181.8232	14.3			
1962	GJ 4044 (LP 390-16)	Flare	M4.0V		12.72406796	18	13.109526	26	1.8643078	58.168	0.1304	99.5495	-8.8			Herculis
1963	BD+21 1764A	Flare	K7Ve			8	8.2197639	21	6.3041572	58.179	0.2695	219.8282	78.98			
1964	2MASS J22502051+5136265	PM	M5V			22	50.341945	51	36.440338	58.189	0.1226	185.6770	-10			
1965	2MASS J10241364+3902333	RotV				10	24.2272	39	2.5566165	58.210	0.0794	42.4877				
1966	EGGR 494	White dwarf	DZ7			17	8.1327526	2	57.618027	58.210	0.2315	181.7120				
1967	LP 893-17	PM				5	45.838975	-27	-9.827546	58.210	0.1252	20.3970				
1968	BPS CS 31060-0015		M4.1V			0	15.967863	-16	-36.9603	58.241	0.0675	87.0355	21			
1969	2MASS J11040127+1959217	Brown dwarf	L4			11	4.0212945	19	59.361782	58.262	0.0778	335.7441	-51			
1970	GJ 2021	Flare	M4			1	9.3121052	-24	-30.39471	58.262	0.1942	123.4115				
1971	HD 35854	PM	K2/3V			5	26.245636	-32	-30.28562	58.262	0.1520	110.0062	22.8			
1972	UCAC4 646-048775	PM				10	24.219907	39	2.5096212	58.262	0.0865	39.2436				
1973	2MASS J03283463+1129515	Brown dwarf	M8			3	28.577397	11	29.861534	58.272	0.3487	295.3139				
1974	G 264-22	PM	M3V			22	15.435778	66	13.461996	58.272	0.1216	358.9006	12.93			
1975	L 1187-43	PM	M3.0Ve			11	5.7189185	10	14.1567	58.272	0.5414	139.0857	-56.59			
1976	TYC 6657-854-1	UCAC4 Nearby Star Candidate Aug 2014 Borderline with Crateris	M			11.243915		-27.541329		58.295	0.0571	218.9153				Hydrae
1977	G 207-22	PM	M2V			19	12.489995	35	33.872589	58.304	0.1545	120.1947	-53.3			
1978	LP 106-304	PM				20	29.199353	57	50.527612	58.304	0.1908	176.2540				

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
1979	LP 645-53	PM	M5V			0	35.73535	-5	-41.17616	58.335	0.1552	181.9878				
1980	HD 23189	PM	K2V			3	48.017239	68	40.373532	58.356	0.1629	333.5258	2.67			
1981	UPM 0151+4652	UCAC4 Nearby Star Candidate Aug 2014	M			1.8609739		46.877962		58.362	0.0261	276.0023				Andromedae
1982	UPM 0515+2336	UCAC4 Nearby Star Candidate Aug 2014	M			5.2548735		23.60727		58.362	0.0443	151.4136				Tauri
1983	del Leo (Zozma)	PM	A5IV(n)			11	14.108357	20	31.423088	58.366	0.1126	132.1637	-20.9			Leonis
1984	2MASS J15464299-3430113	UCAC4 Nearby Star Candidate Aug 2014	M			15.778611		-34.503228		58.396	0.0139	217.1583				Centauri
1985	GJ 3809 (Wolf 1495)		M2V		10.35254456	13	49.016639	2	47.482825	58.405	0.2125	155.8057				Virginis
1986	HD 3765	PM	K2V			0	40.821165	40	11.230329	58.429	0.4410	151.9599	-63.11			
1987	HD 130948BC	Brown dwarf	L4			14	50.266667	23	54.696667	58.460	0.0863	282.6210				
1988	HD 153525	BY Draconis variable	K3V			16	57.703803	47	21.728573	58.471	0.1728	28.0616	-7.73			
1989	HD 217486	PM	K3+V			23	1.6317846	-44	-59.3129	58.471	0.0412	95.7250	-6.16			
1990	HD 2025	PM	K3V			0	24.432224	-27	-1.606377	58.481	0.3903	277.2016	3.35			
1991	eta Crv	PM	F2V			12	32.070436	-16	-11.75968	58.513	0.2494	261.8504	0.69			Corvi
1992	2MASS J15142970-5753196	PM				15	14.494678	-57	-53.33032	58.587	0.3136	223.8925				
1993	UPM J0901-6526	PM	K5			9	1.5285536	-65	-26.67097	58.587	0.1262	18.1685				
1994	2MASS J03255322+0425406	Brown dwarf	T5.5			3	25.887	4	25.678333	58.597	0.1014	249.9944				
1995	70 Vir	b, dust	G5V		3.68	13	28.430143	13	46.727283	58.597	0.3621	202.2791	4.44	1g dust	0.01	Virginis
1996	6 Cet	PM	F8VFe-0.8CH-0.5			0	11.264182	-15	-28.07901	58.608	0.1623	195.8683	14.81			Ceti
1997	WISEA J071552.38-114532.9	PM				7	15.864557	-11	-45.47994	58.608	0.4674	118.3636				
1998	HD 125276	PM	F9VFe-1.5CH-0.7			14	19.014927	-25	-48.92553	58.650	0.2977	44.5590	-22.35			
1999	G 106-36	PM	M3.5V			6	17.177547	5	7.0393236	58.660	0.1656	50.6899	12.7			
2000	UCAC3 110-177924	PM				15	32.269047	-35	-21.05302	58.703	0.0664	135.1776				
2001	LP 65-357	PM	M5.5			13	14.397351	66	22.546056	58.724	0.2329	81.2733				
2002	HD 84035	PM	K4V			9	43.427676	42	41.493589	58.756	0.4809	177.5277	-12.15			
2003	Ross 488	PM	M2			13	38.890617	-2	-15.78782	58.777	0.1813	255.6337	-31.68			
2004	TVLM 868-110639	Brown dwarf	M9V			15	10.280639	-2	-41.13418	58.777	0.2211	88.9447	-41			
2005	LHS 4005a	PM	M3.0V			23	43.888361	61	2.2570248	58.787	0.4581	231.0783	1.63			
2006	Wolf 1034	PM	M3.0V			22	20.220999	6	43.533004	58.787	0.2326	314.6421	3.19			
2007	LHS 2852	PM M Sub-dwarf high metallic: Titanium & Calcium	sdM2.0			14	2.7778591	-24	-31.82868	58.798	0.3037	44.2111	13.3			
2008	BPM 46239	PM	M1.5			0	21.934079	-31	-24.36354	58.819	0.1187	161.9186	16.93			
2009	HD 117936	PM	K3V			13	33.539994	8	35.20578	58.819	0.2992	79.5016	-6.02			
2010	LP 864-14	PM	M3.5			17	29.769925	-25	-3.893711	58.819	0.2708	184.8658				
2011	tau 1 Hya B	A	K0			9	29.153811	-2	-45.04756	58.843	0.0812	97.1495	11.5			Hydrae
2012	2MASS J17071830+6439331	Brown dwarf	M8.5			17	7.3051241	64	39.553116	58.851	0.1432	112.5943				
2013	ZEH2003 RX J1055.1+0559 1	UCAC4 Nearby Star Candidate Aug 2014	M			10.91821		5.9953425		58.866	0.0285	9.2891				Sextantis
2014	HD 68456	BlueStraggler	F6VFe-0.8CH-0.4			8	9.009493	-61	-18.14306	58.872	0.1855	200.8974	23.35			
2015	LHS 6327	PM				17	58.368844	12	45.711767	58.872	0.2594	131.3860	13.45			
2016	LP 630-81	PM	M4V			18	26.275882	1	46.349716	58.883	0.1940	24.0629	-55			

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
2017	HD 82443	BY Draconis variable	G9V(k)			9	32.729324	26	59.311804	58.894	0.1672	210.8257	7.94			
2018	UCAC2 3102751	PM				12	38.319333	-65	-14.75756	58.904	0.0374	352.9413	59.03			
2019	2MASS J09490860-1545485	Brown dwarf	T1.0+T2.0			9	49.143383	-15	-45.80867	58.915	0.0573	84.8161				
2020	LHS 534	PM	M2.0Ve			23	6.5946741	71	43.425328	58.915	0.7735	289.2868	-33.7			
2021	USNO-B1.0 0355-00820305	PM	M6e			20	2.2240835	-54	-25.93181	58.915	0.2153	170.4919				
2022	2MASSI J0417374-080000	PM	M7.5V			4	17.624896	-8	-0.009981	58.926	0.2660	276.1466	40.6			
2023	WT 1759	White dwarf	DZ7			10	12.031198	-18	-43.55456	58.936	0.3039	268.5865				
2024	GJ 3010 (G 131-26)	Flare star	M5V		13.40563927	0	8.8986684	20	50.426555	58.958	0.1540	190.5875	15.45			Pegasi
2025	HD 82443B	Flare	M5.5V			9	32.804038	26	59.729597	58.958	0.1653	210.3821				
2026	EGGR 484	White dwarf	DA7.0			6	47.369183	2	31.14857	58.968	0.2402	86.5448				
2027	Ross 733	Flare	M4.5V			19	14.652639	19	19.062017	58.979	0.4379	54.6422	-80.9			
2028	V* EK Cet	BY Draconis variable	M2.5Ve			3	10.257865	5	54.524523	58.990	0.3352	192.2100	-6.6			
2029	G 184-36	PM	M3.0Ve			18	51.681007	24	27.536875	59.011	0.2079	264.3837				
2030	GJ 3084 (G 2-33)	PM	M1V		10.12456591	1	17.887511	5	28.435844	59.013	0.3726	172.1226	-60.55			Piscium
2031	GJ 3225	Flare	M4.5V			3	26.749342	19	14.670921	59.022	0.0935	176.3444				
2032	HN Peg	BY Draconis variable	G0V			21	44.522166	14	46.316372	59.065	0.1497	116.0852	-17.18			Pegasi
2033	LHS 3246	PM	M3.5			16	50.896479	-4	-50.58429	59.065	0.4573	252.5772				
2034	EGGR 427	White dwarf	DC9			7	50.255697	7	11.618296	59.086	1.0488	173.3136				
2035	2MASS J02195603+5919273	PM				2	19.934034	59	19.454882	59.097	0.1281	156.1385				
2036	G 208-25	PM				19	27.293208	42	31.891478	59.097	0.2573	111.9374	25.61			
2037	UCAC4 192-099504	PM				15	10.942667	-51	-41.59322	59.097	0.1996	79.3223				
2038	V* V376 Gem	BY Draconis variable	K2.5V			7	29.029478	31	59.630624	59.161	0.1376	317.9794	-3.95			
2039	BD+11 3149	PM	M1V			17	16.010617	11	3.46025	59.172	0.2174	201.6073	-44.9			
2040	HD 149806B	PM				16	37.14273	0	15.368672	59.172	0.0611	294.4486				
2041	UCAC3 152-281185	PM	M5			18	45.016409	-14	-9.094563	59.193	0.0566	159.7715	-23.5			
2042	Wolf 427	PM	M1V			12	35.011758	9	49.709451	59.193	0.3207	234.5950	32.8			
2043	HD 114837	PM	F6VFe-0.4			13	14.252432	-59	-6.194213	59.226	0.1702	238.4144	-63.62			
2044	GJ 4228 (LP 518.58)		M4V		13.09254456	21	51.805359	13	36.253575	59.229	0.1261	125.2303	-26			Pegasi
2045	LHS 2674a	PM	M6V			13	6.8375	30	50.9155	59.236	0.2933	160.4150	1			
2046	LHS 2909	PM				14	23.729149	14	26.855526	59.236	0.3741	146.5912				
2047	LP 738-14	PM	M4.5			13	48.121262	-13	-44.52667	59.236	0.4991	233.2754				
2048	LP 870-65	PM	M4.5			20	4.5131133	-23	-42.03779	59.236	0.2090	160.6370	-6.5			
2049	UCAC3 152-281176	PM	M5			18	45.01309	-14	-9.066068	59.269	0.0570	150.9541				
2050	LP 556-64	PM	M5V			12	59.400591	7	43.913961	59.290	0.3944	89.9897	14			
2051	LP 469-205	PM				2	15.934876	10	15.291198	59.301	0.3595	272.2711				
2052	EGGR 426	White dwarf	DC9			7	50.243072	7	11.815293	59.312	1.0444	173.2325				
2053	HD 46588	SB	F7V			6	46.235817	79	33.888612	59.312	0.3560	189.3110	15.29			
2054	TYC 5245-1097-1	PM				23	7.3313198	-4	-15.54707	59.312	0.0385	284.8979	1.34			
2055	UCAC2 46826770	RotV	M5.0V			10	23.864353	43	53.552138	59.312	0.1039	271.2239				
2056	83 Leo	PM	G9IV-V			11	26.755362	3	0.7859758	59.323	0.4352	76.0109	4.16	1e	0.4	Leonis
2057	DENIS J232416.8-152222	PM				23	24.281334	-15	-22.38307	59.323	0.1167	104.1602				
2058	L 982-36	PM	M2			14	47.919685	-3	-9.590602	59.344	0.3857	55.3211	-58.55			
2059	2MASS J18451889+3853248	Brown dwarf	M8			18	45.314689	38	53.41036	59.355	0.2368	330.4036				

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
2060	83 Leo B	PM	K2/4			11	26.771303	3	0.3792833	59.366	0.4375	75.4833	3.76	2g		Leonis
2061	LP 794-23	PM				12	8.3041583	-21	-1.089163	59.366	0.1595	172.7053				
2062	BD+33 1505	PM	M0V			7	19.521256	32	49.805618	59.377	0.3116	130.4121	-70.05			
2063	G 54-19	PM	M4.5V			10	14.885579	21	23.766985	59.377	0.1716	221.5856	10.6			
2064	HD 184467	SB	K2V			19	31.132849	58	35.159607	59.377	0.3752	232.1966	11.31			
2065	chi Cnc	dwarf	F6V			8	20.064345	27	13.06244	59.388	0.2199	182.6433	32.91			Cancri
2066	ksi Gem	PM	F5IV-V			6	45.289426	12	53.736025	59.398	0.1309	210.9209	27.2		0.036	Geminorum
2067	HD 31560	PM	K3.5Vk:			4	55.698507	-28	-33.83474	59.409	0.1712	140.2999	6.32			
2068	LHS 1478	PM				2	57.304319	76	33.187505	59.420	0.4644	120.0445				
2069	2MASS J16230269-6905373	PM				16	23.045872	-69	-5.615443	59.431	0.9595	219.3508				
2070	L 130-37	PM	M3.5			4	28.095054	-62	-9.418898	59.431	0.2279	332.7036				
2071	LP 892-32	PM				5	18.610582	-28	-42.11053	59.431	0.2527	4.9884				
2072	TYC 2885-494-1	UCAC4 Nearby Star Candidate Aug 2014	M			4.0194099		42.909604		59.437	0.0835	168.8779				Persei
2073	LP 920-61	PM	M2.5			17	33.096202	-30	-35.15607	59.442	0.1005	224.6758				
2074	2MASS J21381698+5257188	PM				21	38.282933	52	57.313532	59.453	0.1281	277.0232				
2075	HD 222335	PM	G9.5V			23	39.855103	-32	-44.60442	59.463	0.1936	156.2862	-7.43			
2076	upsilon Vir (Rijl al Awwa)	PM	F2V			14	43.060303	-5	-39.49321	59.463	0.1935	159.6662	5.1		0.011	Virginis
2077	V* PY Vul	pulsWhite dwarf	DA4.0			19	37.22917	27	43.312277	59.485	0.2560	272.7701				
2078	BD+13 3578	PM	K7V			18	16.037511	13	54.803413	59.496	0.2971	168.8360	6.27			
2079	LHS 2936	PM	M3.5			14	32.242378	49	39.098664	59.518	0.3449	259.5335				
2080	BD-13 3333	PM	K7V			11	16.369107	-14	-41.60258	59.529	0.1233	235.3082	15.99			
2081	CD-23 10062	PM	M0V			11	34.632626	-23	-52.25253	59.529	0.3934	244.1023	-26.25			
2082	LHS 2098	PM	M:			9	4.6698208	-12	-19.20316	59.529	0.3997	172.4421				
2083	LP 606-32	White dwarf	DC			8	59.215262	0	58.714355	59.529	0.1145	127.4110				
2084	epsilon Ret	double star; component A b	K2IV		3.14	4	16.48382	-59	-18.12927	59.550	0.0842	188.3524	29.03			Reticuli
2085	HD 154088	PM	K0IV-V			17	4.4640534	-28	-34.96066	59.550	0.1636	162.7838	14.1			
2086	LHS 1168	PM	M4			0	56.639551	17	27.582579	59.550	0.4322	113.1265	-17.06			
2087	NLTT 44988	PM	M3.5			17	33.10196	-30	-35.13548	59.550	0.0974	222.6849				
2088	GJ 878 (Ross 226)		M3V		12.01629174	22	54.36185	60	59.732833	59.561	0.4082	259.0744	-29			Cephei
2089	Ross 769	PM	M1.5V			21	4.8896906	-16	-57.53248	59.561	1.3008	204.1890	-11.13			
2090	ZEH2003 RX J1116.3+5400 2	UCAC4 Nearby Star Candidate Aug 2014	M			11.272592		54.001663		59.571	0.0551	283.0535				Ursae Majoris
2091	GJ 3789		M4 e		12.45185273	13	31.787444	29	16.554069	59.575	0.1660	238.3368	-7			Canum Venaticorum
2092	BD-06 3950	PM	M0V			14	13.519901	-6	-57.53897	59.583	0.1022	321.1317	-2.29			
2093	UCAC4 431-076686	PM	M4.5V			18	30.657579	-3	-56.31461	59.583	0.1388	243.8727	-129.72			
2094	V* LQ Hya	BY Draconis variable	K1Vp			9	32.42614	-11	-11.07812	59.583	0.1457	82.2060	6.21			
2095	LP 425-176	PM				8	21.948937	17	48.934674	59.605	0.3151	74.2887				
2096	NLTT 45285	PM				17	41.906776	9	40.899088	59.605	0.2486	232.6718				
2097	DENIS J1058.7-1548	Brown dwarf	L2.5			10	58.797268	-15	-48.28757	59.616	0.1512	83.1275				
2098	HD 87883 (HIP 49699)	PM, b	K0V			10	8.7190152	34	14.535812	59.627	0.0519	226.3551	9.3	1g		Leonis Minoris
2099	L 755-19	PM	M3.5			20	28.727081	-11	-28.5145	59.627	0.1084	121.2671				
2100	G 167-51	PM	M3.5Ve			15	35.768783	22	9.0624822	59.703	0.4186	259.4309				

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
2101	L 275-26	PM	M4			19	34.065836	-52	-25.23572	59.736	0.1515	170.8383	-21.55			
2102	UCAC3 281-150921	PM	K8V			19	36.239891	50	13.167952	59.758	0.1533	2.0180	-43.2			
2103	LHS 2212	PM	M4V			9	56.449278	22	39.017866	59.791	0.3097	240.8909	35.59			
2104	tau PsA		F6V		3.58	22	10.146339	-32	-32.90459	59.791	0.2495	271.8449	-16.23			Piscis Austrini
2105	UCAC2 1243877	PM				21	27.941873	-72	-17.29503	59.791	0.0807	299.4244	-26.01			
2106	LP 904-51	PM	M5			10	41.733438	-31	-11.90629	59.802	0.2546	126.7666				
2107	UCAC4 811-019485	PM	M3.5V			9	59.756274	72	11.997059	59.802	0.0568	13.4597				
2108	HD 53143	PM	G9V			6	59.994258	-61	-20.17083	59.813	0.1806	31.4333	22.04			
2109	212 Pup A		F3/F5V		3.73	7	52.261033	-34	-42.32645	59.824	0.1808	39.7772	26.3			Puppis
2110	212 Pup B	PM	K3			7	52.255929	-34	-42.32947	59.824	0.1802	39.7748	26.3			Puppis
2111	HD 97503	PM	K5V			11	13.220576	4	28.940673	59.824	0.1845	263.9456	16.09			
2112	Ross 690	PM	M3V			12	23.002678	64	1.8493963	59.835	0.4479	60.9864	60			
2113	BD+26 1715	Star	M0			8	5.9750852	26	16.881407	59.846	0.0091	183.1969	-15.73			
2114	G 270-164	PM	M3.0			1	10.29185	-11	-51.29017	59.857	0.1446	118.9395				
2115	LTT 3858	PM				10	31.142238	-41	-27.81519	59.857	0.1675	78.9742				
2116	2MASS J07385081+1829205	PM	M6V			7	38.846981	18	29.337015	59.868	0.1070	157.8044	1			
2117	2MASS J04490464+5138412	PM				4	49.077453	51	38.684858	59.901	0.2182	185.6107				
2118	NLTT 41186	PM				15	47.251817	1	49.366156	59.912	0.1286	252.9226				
2119	HD 158233	PM	K5V			17	29.10927	-23	-50.16673	59.923	0.1732	255.8562	-32.9			
2120	HN Peg B	Brown dwarf	T2.5			21	44.522166	14	46.316372	59.923	0.1497	116.0852				Pegasi
2121	LHS 1676	PM				4	31.733177	-21	-50.73428	59.945	0.4790	145.4413				
2122	TYC 7722-1583-1	PM				10	39.756785	-44	-30.61611	59.945	0.0896	199.2135				
2123	[MFL2000] J210104.18+030705.1	PM				21	1.079825	3	7.0828874	59.956	0.5961	93.0852				
2124	2MASS J10224821+5825453	Brown dwarf	L0.6V			10	22.803705	58	25.756581	59.967	0.6374	227.7308	287344			
2125	LP 822-7	PM	M7V			23	27.440812	-17	-41.54628	59.967	0.3288	175.5028				
2126	UCAC4 470-039415	PM	M2.5Ve			8	29.365215	3	55.155701	59.978	0.0680	233.0117	22.08			
2127	HD 77175B	PM	K5			9	1.2910951	15	15.860241	60.022	0.1940	199.4269	-12.2			
2128	SCR J1000-4130	PM				10	0.515165	-41	-30.58824	60.033	0.2175	7.6492				
2129	theta Cyg		F3+V			19	36.441667	50	13.266667	60.075	0.1536	1.2882	-27.26			Cygni
2130	G 247-39	PM	M3.5V			4	53.669356	62	19.06144	60.100	0.2106	131.3112				
2131	GSC 01473-01003	Star	M7			14	2.1013585	21	2.754416	60.111	0.0174	327.7164				
2132	GJ 3898	Flare star	M4.0V		12.63666248	15	12.636333	45	43.773333	60.111	0.3043	47.7116	6.636			Boötis
2133	UCAC4 641-047764	PM	M4.5V			11	24.072693	38	8.1809347	60.144	0.0710	95.7918	-11.5			
2134	2MASS J19310458-0306186	PM Red / White dwarf stars Subasavage 2005	M			19	31.076632	-3	-6.301991	60.155	0.3024	337.6152				Aquilae
2135	HD 73667	PM	K2V			8	39.84653	11	31.360339	60.155	0.2980	192.3122	-12.05			
2136	GJ 3861	Flare star	M3.0V		10.99629174	14	36.883157	58	20.916077	60.166	0.5456	139.0142				Draconis
2137	LHS 1906	PM	M3.2			7	12.900932	-52	-20.09368	60.166	0.5469	18.9978	296.31			
2138	HD 192961	PM	K5.5V			20	19.615601	-46	-25.68691	60.177	0.2263	254.7759	32.66			
2139	2MUCD 10984	Brown dwarf	M8.5V			11	24.081445	38	8.0904796	60.188	0.0732	94.0914	-14			
2140	2MASSI J1658037+702701	Brown dwarf	L1			16	58.063364	70	27.028389	60.200	0.2006	203.8672	-25.6			
2141	LP 991-16	White dwarf	DA7H			1	24.066444	-42	-40.64045	60.200	0.3509	150.3733				

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
2142	G 168-14	PM	M7			15	51.363192	29	31.105058	60.211	0.2897	207.0549	61.52			
2143	HD 65486		K4Vk:+T4.5			7	58.072841	-25	-37.5977	60.222	0.2547	124.1672	-8.12			
2144	GSC 00143-02035	Star	M4Ve			6	11.333368	7	11.055331	60.244	0.0083	314.6723	0			
2145	LP 830-14	White dwarf	DC			2	35.363249	-24	-0.785389	60.255	0.3587	190.0491				
2146	GJ 1203	PM	M3.0Ve			16	32.75319	12	36.766629	60.278	0.4519	259.9017	-6.5			
2147	2MASS J01282664-5545343	Brown dwarf	L3			1	28.444067	-55	-45.57069	60.311	0.1505	65.2660				
2148	2MASS J06595620-6145001	PM	M5.0			6	59.936246	-61	-44.9973	60.333	0.1792	31.2061				
2149	UCAC4 601-033776	PM	M4.0V			6	30.169693	30	3.6565783	60.345	0.0302	280.3851				
2150	del Gem B	Star	K6V			7	20.117948	21	58.869787	60.356	0.0181	65.2737	2.2			Geminorum
2151	HD 25329	PM	K1VbFe-2			4	3.2499726	35	16.396771	60.356	1.2824	128.2412	-25.75			
2152	UCAC3 310-86581	PM	M3.5V			18	31.363094	64	54.221517	60.356	0.0384	1.8170				
2153	HD 156985	PM	K2			17	17.8404	52	26.82687	60.367	0.1142	175.1180	-4.79			
2154	Wolf 346	PM	M1.5			10	8.7019923	35	32.819036	60.378	0.1362	304.6603				
2155	2MASS J12212770+0257198	Brown dwarf	L0.5			12	21.461885	2	57.329526	60.389	0.0883	253.3377	-45			
2156	LP 138-36	PM	M3.5V			17	17.642895	52	24.370813	60.400	0.1136	174.6957	-3.52			
2157	LHS 3854	PM	M3			22	47.901497	31	52.259589	60.412	0.2884	291.0355				
2158	LHS 3997	PM				23	40.370394	34	33.238529	60.445	0.3158	279.5732				
2159	CD-44 4756		M2V:			8	44.385222	-44	-28.35133	60.456	0.1035	307.7820				
2160	UCAC4 505-095429	PM	M4.0V			18	54.285316	10	58.153999	60.456	0.0667	349.9427	-41.69			
2161	2MASS J08594029+1145325	Brown dwarf	M8.4V			8	59.671754	11	45.542841	60.468	0.1663	252.6497				
2162	HD 120690	SB	G5Va			13	51.339029	-24	-23.43072	60.468	0.3796	244.5358	-1.82			
2163	HD 230017B	PM	M3.5V			18	54.89707	10	58.729296	60.468	0.0519	340.7076				
2164	G 185-23	PM	M4.5V			19	26.027069	24	26.285332	60.479	0.1202	298.1807	-35			
2165	LHS 2650	PM	M5.0			12	54.535016	44	59.586144	60.479	0.4105	247.5899				
2166	Kelu-1	Brown dwarf	L2+L3.5			13	5.669562	-25	-41.09717	60.501	0.1827	266.3442	6.37			Hydrae
2167	UPM 1720-3804	UCAC4 Nearby Star Candidate Aug 2014	M			17.347951		-38.082248		60.511	0.0163	181.6366				
2168	1RXS J172615.6-031131	PM	M4.5			17	26.254276	-3	-11.51598	60.524	0.0626	196.3117	16.2			
2169	2MASS J16074449-2036030	UCAC4 Nearby Star Candidate Aug 2014	M			16.129025		-20.600817		60.545	0.0142	203.1063				
2170	BD-21 4352	PM	M0V			16	25.21677	-21	-56.24174	60.546	0.3859	239.3999	-62.59			
2171	G 158-45	White dwarf	DC8H			0	14.213199	-13	-11.01814	60.546	0.5235	217.4076				
2172	LHS 3428	PM	M4			19	3.2774315	-13	-34.08387	60.546	0.4050	225.1716				
2173	BD+06 2986B	Candidate_Brown dwarf	T6.5			15	4.9609333	5	38.013833	60.558	0.4701	229.6679				
2174	UCAC4 131-003036	PM	M4			3	20.863062	-63	-51.87363	60.558	0.1701	181.5614				
2175	HD 13579	BY Draconis variable	K2V			2	15.709227	67	40.338755	60.580	0.3500	120.5310	-12.9			
2176	HD 230017A	PM	M0V			18	54.894028	10	58.671959	60.591	0.0787	347.3802	-26.5			
2177	G 205-29	PM	M2.0Ve			18	35.297437	41	29.248754	60.603	0.2192	94.5013	-80.37			
2178	UCAC3 169-135909	PM				14	43.018397	-5	-39.17092	60.603	0.1925	162.9117				
2179	G 43297	White dwarf	DC9			4	0.4447199	8	14.115493	60.614	0.3117	222.6125				
2180	Wolf 87	PM	M2.5Ve			1	48.066216	21	12.404301	60.614	0.2384	122.2190	-19.1			
2181	2MASS J01114752-4908087 (SCR 0111-4908)	PM Red & White dwarf stars Subasavage 2004				1	11.792069	-49	-8.147655	60.637	0.3123	212.7033				

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
2182	CD-22 526	PM	M1.5Vk:			1	32.436704	-21	-54.30735	60.637	0.6197	213.5121	-30.14			
2183	LHS 6199	PM	M3.5Ve			11	15.206909	19	27.19877	60.637	0.2983	159.1127	59.41			
2184	eta CrB	B	G2 V	G2 V	5.7	15	23.377167	30	14.936667	60.670	0.1261	144.5207			0.107	Coronae Borealis
2185	G 260-38	PM	M3.5Ve			19	58.274622	65	2.3125203	60.670	0.2295	9.7095	-50.83			
2186	G 194-52	PM	M3.5Ve			9	3.7158698	52	2.8778902	60.693	0.1952	131.6110				
2187	HAT 122-01032	SB	M3.5+M3.5			0	8.1070666	47	57.039514	60.693	0.0720	87.9129	-29.64			
2188	HD 42807	RSCVn	G2V			6	13.208379	10	37.628557	60.750	0.1790	165.2505	6.1			
2189	GAT 1384	PM	M6V			21	58.577012	61	17.099948	60.772	0.4743	277.8010	-70			
2190	HD 144253	PM	K3V			16	5.6745752	-20	-27.00171	60.772	0.2689	139.5298	36.74			
2191	EGGR 485	White dwarf	DC10			7	0.8603333	31	57.75	60.784	0.3960	148.0000				
2192	G 122-74	PM	M3.5V			12	12.189385	48	49.054483	60.784	0.2074	146.8939	-22.3			
2193	delta Equ Pherasauval		F7V	G0	4.99	21	14.480212	10	0.4183663	60.795	0.1793	172.1359	-15.85			Equulei
2194	GD 1212	White dwarf	DA4.5			23	38.845668	-7	-41.33285	60.795	0.0225	125.2412				
2195	HD 49601	PM	K6V			6	51.539896	47	22.069166	60.795	0.4278	199.4612	19.1			
2196	LP 833-23	PM	M3.0			4	0.4769091	-25	-52.87079	60.795	0.2626	306.8953				
2197	HD 20280	PM	K5.5Vk:			3	14.74374	-26	-26.77492	60.818	0.1384	294.3594	15.31			
2198	NLTT 18279	PM	M2.5Ve			7	42.162199	50	4.4612072	60.818	0.1224	284.4028				
2199	HD 16909	SB	K3.5Vk			2	43.348086	19	25.750543	60.829	0.2651	270.3579	34.05			
2200	LP 869-19	SB	M3.5			19	42.010866	-21	-4.089625	60.840	0.1522	162.9388				
2201	UPM 0624-4605	UCAC4 Nearby Star Candidate Aug 2014	M			6.4010958		-46.087775		60.847	0.0642	0.3636				
2202	SCR J1210-2213B	PM				12	10.702662	-22	-13.10047	60.852	0.1797	327.3111				
2203	2MASS J17392440-2327071	PM				17	39.405914	-23	-27.11983	60.874	0.2649	264.5577				
2204	theta Cen Menikent	(Menkent)	K0 III		0.9	14	6.6883333	-36	-22.12167	60.900	0.4267	225.0780	1.29		0.016	Centauri
2205	LP 903-20	PM	M4			10	4.6454366	-33	-35.15885	60.943	0.3374	136.4111				
2206	UCAC4 175-078865	PM				11	47.874708	-55	-4.198548	60.943	0.1119	347.6838				
2207	LHS 2262	PM	M4			10	26.043454	50	27.144209	60.977	0.3808	214.3000				
2208	LHS 2691	PM	M5			13	11.360312	28	32.692318	60.988	0.3509	222.0476				
2209	LP 441-33	PM	M5V			14	56.452704	17	54.995919	60.988	0.5693	60.0618	13			
2210	BD-18 3106	PM	K5V			11	7.4617013	-19	-17.48926	61.011	0.1393	258.9286	-4.37			
2211	LHS 6176B	RotV	T8p			9	50.788	1	17.571667	61.011	0.2508	146.6240				
2212	GJ 3153	Flare	M6V			2	20.770888	2	58.626381	61.023	0.1926	152.6419	10			
2213	LHS 2595	PM	M4.26			12	38.787835	-4	-19.28433	61.023	0.4499	255.1234	64.43			
2214	LP 816-10	PM	M6			20	49.87888	-17	-16.14114	61.023	0.1848	108.0812				
2215	HD 111261	PM	K4V			12	48.178428	-24	-48.39613	61.034	0.2084	61.7528	-13.15			
2216	L 169-58	PM				23	54.688475	-61	-35.1717	61.034	0.1932	122.9279				
2217	LHS 2263	PM	M4			10	26.05453	50	27.360486	61.046	0.3838	214.7679				
2218	UPM 1609-2222	UCAC4 Nearby Star Candidate Aug 2014	M			16.155734		-22.368263		61.048	0.0156	199.6538				
2219	GJ 3019	PM	M2.5			0	15.724708	-67	-59.60086	61.057	0.3318	103.7717				
2220	2MASS J10554733+0808427	Brown dwarf	M9V			10	55.78904	8	8.7155486	61.080	0.2080	247.2654	5			
2221	G 186-24	PM	M4.5			20	22.2468	31	17.742763	61.103	0.2422	101.1231	-74.42			
2222	UCAC4 244-182839	PM	M4			21	1.0636643	-41	-14.55474	61.114	0.2553	125.2248				

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
2223	LP 709-18	PM	M4			2	1.731132	-10	-17.48409	61.126	0.2136	311.6060				
2224	SCR J1922-3503	PM				19	22.09406	-35	-3.749149	61.126	0.1455	151.4478				
2225	GJ 4074	PM	M4			18	45.957637	-28	-55.89437	61.137	0.2324	129.4720				
2226	2MASSW J1004392-333518	Brown dwarf	L4			10	4.655351	-33	-35.31855	61.149	0.2880	135.6960	-8			
2227	HD 25665	PM	K2.5V			4	9.5839977	69	32.48348	61.149	0.1788	166.2402	-13.47			
2228	GJ 3018	PM	M0.5			0	15.858772	-67	-59.86372	61.160	0.3324	103.1527	-30.55			
2229	HD 25457	T Tau-type star	F7/8V			4	2.6124191	0	16.135309	61.160	0.1702	149.3417	17.62			
2230	UPM 1851-2818	UCAC4 Nearby Star Candidate Aug 2014	M			18.860577		-28.30952		61.183	0.0398	98.7334				
2231	UCAC4 243-189541	PM	M4			21	0.9157425	-41	-31.73305	61.183	0.2557	125.3010	-23.96			
2232	HD 170493	PM	K4V			18	29.873458	-1	-49.08615	61.195	0.1506	138.3505	-54.66			
2233	L 50-73	White dwarf	DA8.0			0	13.831525	-71	-49.90428	61.206	0.1978	136.7480				
2234	UCAC4 516-019538	PM	M2.5V			6	1.7615331	13	5.0252383	61.218	0.0850	249.8464	19.71			
2235	1 Cen	SB	F2V			13	45.687426	-33	-2.623041	61.241	0.2827	252.4676	-21.5			Centauri
2236	HD 5015	SB	F9V			0	53.069931	61	7.4383637	61.252	0.1061	21.8908	20.81			
2237	LHS 258	PM	M3			8	59.088612	-31	-13.44357	61.252	0.6301	140.1672	50			
2238	LP 613-49	Flare	M4V			11	47.679119	0	15.335069	61.252	0.1920	252.1944	7.02			
2239	BD+21 2486	PM	K4V			13	6.2566363	20	43.754582	61.264	0.0654	25.9271	0.5			
2240	LHS 266	PM	M5V			9	20.365472	26	43.717036	61.275	0.6103	121.3139	0			
2241	2MASS J16111813-1757286	UCAC4 Nearby Star Candidate Aug 2014	M			16.188369		-17.957988		61.284	0.0148	197.6501				
2242	GJ 401 (BD-18 3019)	B	M3V	DQ9	10.47089747	10	45.651517	-19	-6.861898	61.287	1.1424	252.2074	41.9			Hydrae
2243	HD 130004	PM	K0V			14	45.403047	13	50.778938	61.287	0.1882	225.7336	-11.89			
2244	psi A Vel	B	F3 IV	F0 V		9	30.699993	-40	-28.00436	61.298	0.0932	67.4819	8.8		0.015	Velorum
2245	LP 941-90	PM				2	28.129266	-36	-28.34002	61.310	0.2627	92.0677				
2246	NLTT 10087	PM	M6V			3	10.056389	2	34.451772	61.333	0.2142	150.6891	-56.7			
2247	GJ 4277 B	Flare	M6V			22	26.258333	3	0.125	61.356	0.3911	227.1702	0			
2248	UCAC4 394-006560	PM	M3.0V			4	46.86279	-11	-16.79402	61.356	0.0942	252.0127	14.9			
2249	TYC 6514-1723-1	Star				6	24.074387	-26	-58.76844	61.391	0.0105	331.6662	8.93			
2250	TYC 460-624-1	RotV	M1.0V			18	45.17116	6	20.265526	61.414	0.0499	205.9137	-26.13			
2251	GJ 3321	PM	M1.5Ve			5	1.8428448	3	45.920726	61.437	0.1086	135.8611	24.45			
2252	GJ 3027	Flare	M4V			0	18.893221	27	48.831151	61.460	0.2385	105.8212	2			
2253	LHS 1808	PM	M4.5V			6	2.4267105	66	20.664454	61.460	0.3392	144.3937	-31.55			
2254	SSSPM J2356-3426	PM	M9.3V			23	56.18034	-34	-26.07653	61.460	0.1880	165.0872				
2255	GJ 3304	PM	M4.0		12.53	4	38.209333	28	13.001667	61.472	0.2337	102.6526	35.7			Tauri
2256	LP 613-50	Flare	M5e			11	47.701612	0	15.100794	61.483	0.1875	251.8599				
2257	2MASS J05085506+3319272	PM				5	8.9176489	33	19.451577	61.495	0.3805	199.2990				
2258	UCAC4 452-113548	PM	M4.0V			20	30.031625	0	23.918601	61.495	0.0846	276.8295	66.38			
2259	2MASS J08072607+3213101	Brown dwarf	M8			8	7.4344706	32	13.167847	61.507	0.2624	235.7818				
2260	G 170-42	PM				17	30.370996	19	12.537987	61.507	0.2299	104.8356				
2261	LP 788-049	UCAC4 Nearby Star Candidate Aug 2014	M			9.8564818		-17.740134		61.519	0.2609	286.8106				
2262	HD 266611	PM	K5V			6	57.078209	30	45.389514	61.530	0.1391	158.0063	-14.6			

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
2263	UPM 0421+2952	UCAC4 Nearby Star Candidate Aug 2014	M			4.3573639		29.879903		61.552	0.0148	163.0631				
2264	LP 423-31	PM	M6.0V			7	52.398755	16	12.249319	61.553	0.2299	152.4341	-14.7			
2265	UCAC3 111-489380	PM				22	17.320476	-34	-44.0585	61.565	0.2724	166.5264				
2266	UCAC4 542-145790	PM	M4.0V			22	48.909793	18	19.982866	61.576	0.0758	189.5086	37.89			
2267	15 LMi	PM	G0.5Va		3.75	9	48.589522	46	1.2605629	61.588	0.1399	112.7088	5.2			Ursae Majoris
2268	UCAC4 167-035671	PM				9	48.426275	-56	-44.36626	61.588	0.2010	20.5118				
2269	HD 153026B	PM	K4			16	58.902262	-39	-33.45231	61.600	0.2044	308.1473	42.5			
2270	LP 733-99	PM	M2.0V			11	20.101741	-10	-29.77876	61.600	0.1157	84.3047	11.3			
2271	LHS 3169	PM	M3.5			16	14.365606	-28	-30.61083	61.635	0.3095	230.4499				
2272	LSPM J0801+2342	PM	M1.5Ve			8	1.7263841	23	42.454816	61.635	0.1021	225.0824	9.06			
2273	LP 66-542	PM	M5.0			14	14.840613	64	12.733266	61.658	0.2019	178.4659				
2274	Ross 972	PM	M3			13	0.06589	-5	-37.7967	61.670	0.2020	82.7698	-3.55			
2275	HD 220140B	PM	M3.5V			23	19.407818	79	0.0635907	61.681	0.1269	286.4028				
2276	HD 76740	Star	F5V			8	57.067836	-29	-50.76082	61.681	0.0079	113.8973	-10.9			
2277	UCAC4 468-040412	PM	M4.0V			8	37.503643	3	33.765009	61.681	0.1084	160.6539	2			
2278	UPM 0954+2025	UCAC4 Nearby Star Candidate Aug 2014	M			9.9043242		20.425809		61.686	0.0266	125.6398				
2279	CD-39 2700	PM	K8Vk			6	36.304666	-40	-0.393698	61.705	0.1317	78.7298	16.41			
2280	2MASS J02124635+1032546	PM				2	12.77258	10	32.913708	61.716	0.0869	207.9957				
2281	LP 33208	PM	M4.5V			23	22.897113	78	47.642813	61.716	0.1265	287.4162				
2282	UCAC3 129-126893	PM	M3Ve			9	12.210017	-25	-55.0435	61.728	0.0680	117.0790	-7.8			
2283	HD 52711	PM	G0V			7	3.507648	29	20.22495	61.740	0.4903	169.2698	24.53			
2284	UCAC4 806-024613	PM				17	28.190859	71	8.4446381	61.751	0.1182	75.5242				
2285	G 141-53	PM				18	59.647995	8	29.006134	61.763	0.2648	236.0810				
2286	LP 560-26	PM	M3.5Ve			14	28.292933	5	18.763241	61.763	0.2197	260.0740				
2287	SCR J1210-2213A	PM				12	10.703028	-22	-13.15248	61.763	0.1699	327.2803				
2288	BD-15 4394	PM	M1.5Vk:			16	48.766011	-15	-44.33598	61.775	0.1287	182.4562	-78.31			
2289	HD 220140	RSCVn	G9V			23	19.443975	79	0.2111834	61.786	0.1256	289.5997	-17.11			
2290	LHS 126	PM	M0.0Ve			0	51.497271	58	18.121656	61.822	0.9417	284.5075	-13.7			
2291	LP 560-27	PM	M3.0Ve			14	28.358654	5	19.02167	61.822	0.2199	260.8161				
2292	2MASSI J1124532+132253	PM	M6.5			11	24.887772	13	22.88172	61.833	0.0635	193.8244				
2293	CD-57 8545	PM	M1Vk:			22	23.555052	-57	-13.23768	61.845	0.4067	122.4366	-5.18			
2294	2MASS J14213145+1827407	Brown dwarf	M8.9V			14	21.523607	18	27.674971	61.857	0.4487	257.6912				
2295	2MASS J17054834-0516462	Brown dwarf	L1			17	5.8058464	-5	-16.77235	61.857	0.0975	135.8464	12.19			
2296	LP 757-92	PM	M5.5			21	11.40335	-9	-40.55402	61.857	0.2040	184.7075				
2297	UCAC4 377-079713	PM				17	10.316586	-14	-44.95553	61.869	0.0552	343.0627				
2298	G 250-34	PM	M1.5Ve			7	7.8404832	67	12.079891	61.880	0.1642	255.6293	-6.99			
2299	LSPM J0140+2701	PM	M8.5V			1	40.044151	27	1.8339247	61.880	0.1526	166.7071	12.6			
2300	2MUCD 11005	PM	M7.5V			11	41.73414	-22	-32.25018	61.916	0.2545	22.3305	8.4			
2301	GJ 3213 (G 78-28)	PM	M3.0Ve		11.48771968	3	17.203605	45	22.368779	61.916	0.1593	253.5092	-7.21			Persei
2302	TYC 8109-1577-1	PM				6	9.1285582	-49	-53.28416	61.927	0.0393	144.0096	33.41			
2303	UCAC3 244-106602	PM	M4.0			14	19.778686	31	37.062103	61.927	0.0597	104.1857				

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
2304	BD+06 2986	PM	K8V			15	4.8921033	5	38.286009	61.951	0.4602	230.1880	-84.35			
2305	HD 190771	PM	G2V			20	5.162919	38	28.709204	61.951	0.1636	292.9030	-25.02			
2306	LP 872-27	PM	M4.5			20	56.452386	-24	-0.208933	61.951	0.2059	109.3846				
2307	LP 44-162	PM	M7.5V			17	57.256753	70	42.018611	61.963	0.1929	358.9442	-15.3			
2308	LHS 2506	PM	M4			12	3.9711743	-33	-1.442351	62.022	0.4457	85.9159				
2309	UPM 1334-5624	UCAC4 Nearby Star Candidate Aug 2014	M			13.568704		-56.407258		62.022	0.0338	240.7443				
2310	BD+25 2874	PM	K5V			15	7.3930653	24	56.131132	62.034	0.5699	59.7104	-69.33			
2311	GJ 710 (HD 168442)	far future passes near Earth at 1.1 ly	K7V		8.26	18	19.847353	-1	-56.31676	62.034	0.0003	266.5167	-13.8			Serpentis
2312	HD 78366	PM	G0IV-V			9	8.8511757	33	52.933135	62.034	0.1299	239.0739	26.24			
2313	UPM 0752-5727	UCAC4 Nearby Star Candidate Aug 2014	M			7.8726954		-57.452192		62.056	0.0375	42.8603				
2314	EGGR 155	White dwarf	DA4.7			22	49.09545	22	36.5385	62.057	0.3069	276.6400				
2315	SDSS J150411.63+102718.4	Brown dwarf	T7			15	4.194	10	27.306667	62.057	0.2872	130.7863				
2316	BD-19 5899	PM	M1.5			20	42.952508	-18	-55.1015	62.069	0.6100	144.9979	4.96			
2317	V* CD Oct	pulsWhite dwarf	DA5.7			22	4.3476454	-75	-13.43441	62.081	0.3100	81.9923				
2318	2MASSI J0354200-143738	PM	M6.5V			3	54.334819	-14	-37.64281	62.104	0.0626	37.1338	9.9			
2319	HD 160964	PM	K4V			17	36.222617	71	52.701389	62.104	0.0573	112.2583	-24.47			
2320	LHS 3434	PM	M5V			19	8.2629427	26	35.094542	62.116	0.3125	200.7935	-3.84			
2321	UCAC4 428-000703	PM	M4.5V			0	32.885408	-4	-34.12182	62.116	0.0897	146.8146	8.51			
2322	LP 771-72	PM	M2.5V			3	2.6342329	-18	-9.9795	62.128	0.2539	292.2122	21.8			
2323	2MASSI J1424187-351432	PM	M6.5			14	24.311754	-35	-14.54567	62.187	0.0447	186.0067				
2324	EGGR 176	White dwarf	DA7.8			18	24.075812	-13	-8.704903	62.199	0.3904	197.8268				
2325	HD 170573	PM	K4.5Vk:			18	33.084675	-54	-15.79141	62.211	0.1085	220.4226	35.34			
2326	G 187-8	White dwarf	DA9			20	50.344216	26	30.679406	62.235	0.2982	234.0459				
2327	UCAC4 410-007810	PM	M4.0			5	6.2300938	-8	-7.124014	62.247	0.1255	213.7812				
2328	UPM 0507-4744	UCAC4 Nearby Star Candidate Aug 2014	M			5.1332694		-47.737123		62.257	0.0581	17.2547				
2329	LP 715-51		M2.5V			4	31.150684	-13	-30.87642	62.259	0.1534	217.6718				
2330	LP 818-54	PM				21	55.037166	-20	-14.44899	62.259	0.1410	300.3589				
2331	HD 153026		K4.5Vk:	K4		16	58.900846	-39	-33.51298	62.271	0.2046	309.4398	42.5			
2332	HD 52919	PM	K4V			7	2.7152908	-6	-47.95357	62.271	0.2168	212.6970	-30.64			
2333	L 559-194	PM	M3.5			17	54.049855	-34	-40.30258	62.283	0.2277	232.1696				
2334	GJ 513	PM	M3V			13	29.355191	11	26.444198	62.294	0.7187	164.5627	28			
2335	LP 675-7	PM	M6.5			12	23.867956	-8	-58.72503	62.342	0.2095	220.0244				
2336	GJ 1010 A	PM	M2.5V			0	23.480454	77	11.35753	62.354	0.4879	86.9079	-64.8			
2337	UCAC4 496-065147	PM	M4.0V			15	57.804354	9	1.1679205	62.354	0.1234	136.5088	-14.58			
2338	GJ 3134	Flare	M4.5			2	7.1724285	64	17.189531	62.366	0.1620	126.8564	3.92			
2339	L 72-10	PM				15	2.1276358	-71	-18.02386	62.366	0.1965	225.7525	72.94			
2340	UCAC4 295-239071	PM				22	19.440646	-31	-3.593471	62.378	0.2756	209.4916	25.2			
2341	GJ 3029	Flare	M3Ve			0	21.621047	-46	-5.55637	62.390	0.2751	220.2963	-30.7			
2342	GJ 1010 B	PM	M4.5			0	23.530083	77	11.443566	62.402	0.4879	86.1881				

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
2343	V* VZ Col	BY Draconis variable	M0V			5	30.233404	-42	-41.83964	62.402	0.0859	166.8023	-4.02			
2344	UPM 0505-4756	UCAC4 Nearby Star Candidate Aug 2014	M			5.0873419		-47.937673		62.425	0.0494	80.0389				
2345	LP 718-5	PM	M6.5			5	35.354927	-9	-31.10872	62.438	0.2409	123.8522				
2346	L 97-3 B	Brown dwarf	Y1			8	7.2445833	-66	-18.81133	62.450	0.2600	130.3982				
2347	BD-04 3873	PM	K4V			15	22.068335	-4	-46.64715	62.474	0.1729	267.5650	-19.22			
2348	UCAC4 520-070249	PM	M2.5V			18	4.6451587	13	54.236593	62.474	0.0916	285.9815				
2349	G 103-41	PM	M3.5Ve			6	34.557299	31	30.134664	62.486	0.1120	169.5453				
2350	UCAC4 665-070620	Eruptive	M4.0V			18	55.07532	42	59.846679	62.486	0.0250	293.0322	-22.06			
2351	UPM 1840+1923	UCAC4 Nearby Star Candidate Aug 2014	M			18.680165		19.396096		62.492	0.0361	119.2521				
2352	HD 220339	PM	K2V			23	23.081587	-10	-45.85464	62.498	0.3036	299.9223	34.13			
2353	2MASS J13153094-2649513	Brown dwarf	L3.5+T7			13	15.5157	-26	-49.8555	62.510	0.4268	247.5604	-8			
2354	HD 68834	PM	K5V			8	14.598572	13	1.3695694	62.510	0.2513	76.9662	21.42			
2355	LP 549-10	PM				9	59.869336	2	46.824046	62.510	0.1084	278.6254	140142			
2356	L 119-33	PM	M1.0			22	21.715264	-65	-31.54968	62.522	0.0953	25.6551	25.8			
2357	LHS 5177	PM	M3.5V			10	48.933793	22	53.400612	62.522	0.2787	80.1662				
2358	UPM 1735-5210	UCAC4 Nearby Star Candidate Aug 2014	M			17.587548		-52.168446		62.526	0.0842	138.3336				
2359	2MASS J11101001+0116130	Brown dwarf	T5.5			11	10.16685	1	16.218167	62.534	0.1979	225.5956				
2360	L 139-24	PM				8	56.110248	-61	-57.7406	62.534	0.1645	250.1992				
2361	Wolf 1231	PM	M2.0Ve			22	25.028906	35	40.128156	62.534	0.0948	200.8864	4.26			
2362	SCR1240-8116	PM Red & White dwarf stars Subasavage 2004	M			12	40.934167	-81	-16.51833	62.554	0.4920	279.8000				Chamaeleontis
2363	NLTT 9223	PM	M3.5Ve			2	53.435474	17	24.539852	62.558	0.1459	177.7534	-49.03			
2364	1RXS J154240.9-404411	PM UCAC4 Nearby Star Candidate Aug 2014	M			15.711558		-40.736414		62.593	0.0420	207.2746				Phoenicis
2365	G 82-33	PM	M4.0V			4	34.75549	0	26.775021	62.606	0.1428	199.6228	-19.9			
2366	GJ 3015	PM	M5			0	13.715673	80	39.819142	62.618	0.1846	307.7764				
2367	Wolf 330	Flare	M3.5V			9	55.726587	35	21.696133	62.642	0.1831	186.5914	-10.76			
2368	LSPM J0326+3929E	PM				3	26.57678	39	29.118173	62.654	0.0973	150.3307				
2369	LTT 7967	PM				20	9.8601612	-47	-31.57156	62.654	0.1997	177.3773	1.15			
2370	Wolf 219	White dwarf	DQ8			3	44.5805	18	26.185	62.654	0.7001	159.8786				
2371	G 224-20	PM	M4.5			14	44.422825	58	17.218446	62.666	0.1847	54.8228				
2372	LSPM J0326+3929W	PM	M4.5V			3	26.569962	39	29.045906	62.690	0.1009	153.1382				
2373	L 898-42	PM	M3.5			10	55.574567	-9	-21.43201	62.702	0.3037	30.7209	15.55			
2374	GJ 3014	Flare	M1.5V			0	13.645203	80	39.947355	62.714	0.1812	306.4170	-15.59			
2375	alpha Cha	PM	F5VFe-0.8			8	18.525764	-76	-55.18375	62.726	0.0899	314.0487	-13.4			Chamaeleontis
2376	BD+00 3077	PM	K7V			13	35.412873	0	23.34611	62.726	0.1086	349.1482	4.5			
2377	LHS 3514	PM	M4			20	3.9817682	-8	-7.791511	62.726	0.3252	243.7360				
2378	G 139-17	PM	M4			17	9.8793193	11	55.56713	62.738	0.2174	257.7953	-87.24			
2379	G 253-13	PM	M3.5			8	32.168593	84	24.513258	62.738	0.2515	305.1200				
2380	LAWD 27	White dwarf	DQ			8	6.8958932	-66	-18.27838	62.738	0.2576	130.7267				

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
2381	LHS 1217	PM	M3.5			1	14.143297	-36	-56.72077	62.750	0.4460	298.0379				
2382	NLTT 40208	PM				15	25.725541	31	12.199183	62.750	0.1445	177.0716				
2383	NLTT 25223	PM				10	45.246791	49	41.499432	62.762	0.1227	176.3801				
2384	G 137-24	White dwarf	DZ			15	35.096831	12	47.753325	62.775	0.1422	222.6586	-18			
2385	HD 9540	PM	K0V			1	33.26349	-24	-10.67759	62.775	0.1833	120.2174	2.45			
2386	LP 829-41	PM	M5.5			2	16.35711	-22	-0.811467	62.787	0.1557	25.2740				
2387	G 120-40	PM				11	21.92364	26	49.850495	62.799	0.1905	246.5908				
2388	UCAC3 160-291784	PM	M4.0			21	37.51982	-10	-14.42916	62.823	0.3645	160.6289				
2389	G 17168	PM				1	8.2050799	0	27.94228	62.835	0.2521	215.3711				
2390	LAWD 45	White dwarf	DC			13	19.425954	-78	-23.46946	62.847	0.2711	139.9159				
2391	GJ 3567 (LHS 2191)	PM	M1.5		12.27242509	9	48.006206	60	15.412833	62.859	0.5216	256.2757	44.99			Ursae Majoris
2392	HD 190067		K0VFe-0.9			20	2.5692569	15	35.524475	62.859	0.3511	195.3319	20.45			
2393	HD 21209	PM	K3.5V			3	23.286277	-49	-59.51524	62.884	0.2119	317.9547	-9.04			
2394	HD 21209B	PM	K8Vk:			3	23.264825	-49	-59.64571	62.884	0.2135	319.2596	-7.54			
2395	LHS 3859	PM	M2+V			22	50.628381	34	51.36301	62.884	0.5214	290.3902	10.21			
2396	HD 43587	SB	G0V			6	17.268832	5	5.9985936	62.896	0.1565	51.9140	8.93			
2397	LP 793-33	PM	M2.5V			11	45.574041	-20	-21.20716	62.896	0.1019	292.1994	2.11			
2398	G 168-24	PM	M3.0Ve			16	1.7259932	30	10.844172	62.908	0.2085	66.6486				
2399	HD 194640	PM	G8V			20	27.73738	-30	-52.07078	62.908	0.3035	181.5457	-0.19			
2400	LP 28-158	PM	M3.5			0	34.627824	71	11.700895	62.920	0.3645	123.2745				
2401	LP 793-34	PM	M5e			11	45.589961	-20	-21.08176	62.944	0.0954	294.7885				
2402	UCAC4 216-129068	PM	MV			16	39.43016	-46	-53.00561	62.957	0.1752	194.0705				
2403	FBS 1415+456	PM	M5/6			14	17.368373	45	25.766605	62.969	0.0278	113.0308				Boötis
2404	UPM 0250-0559	UCAC4 Nearby Star Candidate Aug 2014	M			2.8445187		-5.9981564		62.996	0.0353	90.0944				
2405	GJ 1122 B	Flare	M5V			9	19.31721	38	31.389061	63.017	0.1392	269.6908	-12			
2406	LHS 4057	PM	M5.0V			23	59.823433	47	45.746667	63.017	0.5226	102.0000				
2407	GJ 3598	PM	M2.5Ve			10	24.336527	11	57.343945	63.030	0.1035	7.9316				
2408	2MASS J02132880+4444453	Brown dwarf	L1.5			2	13.479877	44	44.753634	63.042	0.0901	199.6788	-23.47			
2409	LP 777-1	White dwarf	DAH9			5	5.8743317	-17	-22.72473	63.042	0.3985	345.6821				
2410	c Boö	PM	F5V			15	7.3010979	24	52.151587	63.054	0.1437	131.5945	-11.2			Boötis
2411	2MASS J04134574+3709087	PM				4	13.761834	37	9.1501819	63.066	0.3982	110.5065				
2412	G 150-7	PM	M2.5Ve			13	31.843057	23	23.339632	63.066	0.1654	80.3014	-7.92			
2413	LP 787-32	PM				9	22.772023	-15	-47.39907	63.066	0.2952	120.6630				
2414	SCR J0818-3110	White dwarf	DZ			8	18.671013	-31	-10.3388	63.078	0.4777	163.1721				
2415	GJ 1122 A	Flare	M5V			9	19.315716	38	31.265073	63.091	0.1365	269.7402	-12			
2416	LP 756-3	PM	M4.0V			20	46.727436	-11	-48.22263	63.103	0.2048	100.7751	-32.8			
2417	NLTT 19068	PM	M5V			8	10.800839	1	9.1952111	63.115	0.1152	343.8980	7			
2418	UCAC4 407-024595	PM	M3.5V			7	10.524313	-8	-42.8041	63.140	0.0751	40.9041	11.96			
2419	LP 733-71	PM	M3V			11	46.715218	-14	-0.863025	63.152	0.6167	137.8889	20.6			
2420	UCAC3 229-91098	PM	M2.7V			7	38.491635	24	0.1442142	63.152	0.1049	237.5175	16.9			
2421	G 247-22	PM				4	33.290328	68	46.90343	63.164	0.3254	160.9784				
2422	V* MV UMa	RSCVn	K5V			11	38.995268	42	19.728371	63.164	0.2637	16.4886	14.8			

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
2423	HD 130307	BY Draconis variable	K1V			14	47.268353	2	42.193578	63.176	0.1737	254.6840	12.94			
2424	UCAC4 800-005076	PM				1	33.164013	69	58.118455	63.176	0.0399	359.1875				
2425	UPM 1249-4505	UCAC4 Nearby Star Candidate Aug 2014	M			12.831791		-45.083856		63.198	0.0992	226.0459				
2426	HD 73752 (HIP 42430)	Spectroscopic binary	G3/G5V		3.55	8	39.131685	-22	-39.71352	63.201	0.2885	32.6435	52.13			Pyxidis
2427	alpha Hyi Head of Hydrus		F0IV		2.9	1	58.768976	-61	-34.18933	63.201	0.1688	273.6419	8.7			Hydri
2428	LP 737-51	PM	M4.0			13	21.901473	-14	-24.16215	63.225	0.1354	71.5731				
2429	L 313-6	PM	M2.5V			7	56.898999	-45	-38.23438	63.238	0.3881	17.3666				
2430	nu Oct	SB	K1III			21	41.475701	-77	-23.40053	63.238	0.1509	164.6464	34.4			Octantis
2431	LHS 197	PM	M6.0V			4	46.308449	48	44.863227	63.250	0.6987	121.9180				
2432	LHS 3739	PM	M:			21	58.83654	-32	-28.29773	63.250	0.3113	227.5854				
2433	LHS 423	PM	M3			16	35.673456	-30	-51.33683	63.250	0.6771	223.6210				
2434	CD-33 4354	PM	K4.5Vk:			7	57.808651	-33	-57.12066	63.262	0.1488	340.6679	15.33			
2435	2MASS J17065487-1314396	Brown dwarf	L5pec			17	6.9143674	-13	-14.66618	63.287	0.1095	183.8416				
2436	UPM 0442-5459	UCAC4 Nearby Star Candidate Aug 2014	M			4.7062373		-54.994029		63.298	0.0674	281.7562				
2437	G 134-1	PM	M0V			2	6.9530989	45	11.069691	63.299	0.3128	148.5094	60.1			
2438	G 247-23	PM	M5.5			4	33.306278	68	46.954525	63.324	0.3262	162.2877				
2439	NLTT 22280	PM	M3.5V			9	39.49906	14	38.829063	63.324	0.1048	243.4672				
2440	UCAC3 76-386789	PM				17	35.252876	-52	-10.10715	63.324	0.0842	138.3336				
2441	CD-35 818	PM				2	22.426769	-34	-33.30411	63.336	0.1700	337.3545	-25.47			
2442	BD+46 1951	Star	M0Vp			14	17.406366	45	26.66857	63.348	0.0275	112.7172	3.16			
2443	G 108-52	PM	M2.0Ve			7	5.2051044	8	25.872729	63.348	0.2476	170.0765				
2444	G 141-46	PM	M2.5Ve			18	53.422724	2	50.810106	63.361	0.1774	279.6652	-10.47			
2445	UCAC4 112-123980	PM				20	6.8099354	-67	-36.85094	63.373	0.0946	83.4060				
2446	G 248-19	PM	M3.0Ve			4	21.960166	75	8.4714259	63.398	0.4238	131.9628	32.64			
2447	GJ 3728 (Ross 948)	B?	M2V	?	10.59539046	12	28.882523	-10	-39.84691	63.435	0.1632	269.7124	-6.38			Virginis
2448	HD 200560	BY Draconis variable	K2.5V			21	2.6792321	45	53.086095	63.447	0.2504	289.1627	-14.33			
2449	LHS 4012	PM	M4			23	46.534226	-50	-43.45742	63.447	0.2992	204.2354	-114.42			
2450	HD 36435	PM	G5V			5	27.655873	-60	-24.95974	63.459	0.1020	237.8407	14.23			
2451	LHS 3738	PM	M4.5V			21	58.818631	-32	-26.42734	63.459	0.3029	226.9895				
2452	NLTT 24622	PM	M6V			10	32.549547	6	30.126502	63.459	0.1756	230.2356	8			
2453	UPM 0624-2801	UCAC4 Nearby Star Candidate Aug 2014	M			6.4104434		-28.030334		63.466	0.0454	160.8692				
2454	alpha Tri (Caput)	B	F6 IV	?	1.95	1	53.081667	29	34.73333	63.472	0.1358	176.9686	-12.6		0.044	Trianguli
2455	GJ 140	TTau	M1+M3			3	24.108078	23	47.101235	63.496	0.1517	120.2523	18.5			
2456	UPM 0356-3111	UCAC4 Nearby Star Candidate Aug 2014	M			3.9401781		-31.193894		63.500	0.0776	162.2439				
2457	UPM 1609-0809	UCAC4 Nearby Star Candidate Aug 2014	M			16.151472		-8.1629494		63.500	0.0655	256.0254				
2458	2MASS J10440942+0429376	Brown dwarf	L8.5			10	44.157067	4	29.628333	63.509	0.0547	1.2189	120			
2459	G 205-47	PM	M4			18	56.438512	46	22.894531	63.509	0.1803	348.9159	2.51			
2460	HD 15468		K4.5Vk			2	29.028725	-19	-58.75059	63.521	0.3776	294.1663	26.68			

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
2461	2MASS J06411840-4322329	Brown dwarf	L2.4:V			6	41.307019	-43	-22.54151	63.534	0.3878	341.4755	74			
2462	LP 99-392	PM	M4.1			15	35.428046	60	5.1261987	63.534	0.1378	133.7727	-4			
2463	eta Cru	SB	F2V			12	6.8816331	-64	-36.82384	63.546	0.0294	137.0531	10.4			Crucis
2464	LP 759-6	PM				21	57.211275	-9	-3.447738	63.546	0.1269	125.4619				
2465	LHS 124	PM	M2.5			0	49.484334	-61	-2.546053	63.558	0.6547	93.9810	57.47			
2466	UPM 1243-7412	UCAC4 Nearby Star Candidate Aug 2014	M			12.729015		-74.201686		63.567	0.0167	260.1428				
2467	G 62-18	PM	M3			13	14.097311	3	53.980864	63.571	0.4285	89.2502	22.08			
2468	UCAC4 612-098946	PM	M3.5Ve			20	22.310556	32	17.254135	63.571	0.0860	94.7173				
2469	LHS 2995	PM	M5V			14	53.61979	11	34.208596	63.583	0.4340	173.5394	-11			
2470	SCR 0242-5359B	UCAC4 Nearby Star Candidate Aug 2014	M			2.7011277		-53.983331		63.601	0.0575	95.2837				
2471	2MASS J17395323+5532417	PM				17	39.887564	55	32.695881	63.620	0.1942	3.7798				
2472	UCAC3 27-74415	PM				21	14.203309	-76	-33.42153	63.620	0.1382	157.2093	3.86			
2473	2MASS J03521086+0210479	Brown dwarf	M8.6V			3	52.181031	2	10.800028	63.633	0.2668	318.0827				
2474	LHS 3075	PM	M4.5V			15	29.732133	42	52.831	63.633	0.4372	145.1891	7			
2475	k Ori	PM	F5V			6	16.443646	12	16.329849	63.645	0.1187	335.9558	9.17			Orionis
2476	omicron Aql	B C	F8 V	?	5.66	19	51.027396	10	24.943253	63.645	0.1616	119.5203	0.13			Aquilae
2477	UCAC3 201-264597	PM				19	51.011334	10	24.664198	63.658	0.1680	113.7052				
2478	HD 139477	PM	K3V			15	35.334071	60	5.2194903	63.695	0.1378	133.4305	-8.83			
2479	LP 521-18	PM	M5.5Ve			22	48.375337	12	32.173654	63.695	0.2928	91.5296	0			
2480	LP 687-17	PM	M4.0V			17	16.344237	-5	-23.85617	63.695	0.1219	126.3938				
2481	NLTT 16977	PM	M3.0			6	43.496187	-70	-3.343942	63.695	0.1118	358.2388				
2482	HD 137763	SB	A1V			15	28.160302	-9	-20.87933	63.707	0.2225	168.9082	6.82			
2483	HD 26347	Star	G2/3V			4	9.3151829	-20	-24.98717	63.707	0.0215	274.6456				
2484	110 Her	PM	F6V			18	45.662049	20	32.778591	63.720	0.1954	181.1295	23.37		0.033	Herculis
2485	CD-50 13863	PM	M0.0			23	3.3476662	-49	-43.56705	63.732	0.0645	195.5030	32.21			
2486	GJ 10540B (CD-28 1030)	Flare	M1Ve		13.38838497	3	7.9292045	-28	-13.18273	63.732	0.2053	251.0582	93.9			Delphini
2487	GJ 524 (L 285-146)	PM	M2.5		11.79268599	13	44.813426	-54	-7.298924	63.732	0.2641	213.9884	-19.92		0.016	Centauri
2488	HD 216520	PM	K0V			22	47.531275	83	41.821655	63.732	0.1114	52.3835	-18.54			
2489	WT 2180	PM	M5.5V			19	48.377799	-8	-22.87001	63.745	0.3219	230.7583				
2490	GJ 3096	PM	M3			1	22.734027	-25	-47.1281	63.757	0.0319	279.8172	10.55			
2491	GJ 452	PM	M2.5			11	53.268126	-7	-22.46123	63.757	0.3136	198.8047	25.4			
2492	2MASS J09365082-6513507	PM				9	36.847085	-65	-13.84698	63.782	0.1737	294.2317				
2493	G 237-61	PM	M3.0Ve			12	21.791556	68	16.067472	63.782	0.2498	61.4147				
2494	DENIS J171204.4-032328	PM				17	12.071973	-3	-23.50431	63.795	0.2404	243.9412				
2495	HD 188474	PM	K3.5Vk:			19	56.617102	-31	-20.11906	63.795	0.2389	274.4297	52.9			
2496	G 13-27	PM				12	18.58124	-6	-25.38706	63.807	0.2217	263.6307				
2497	GSC 04733-00514	PM	M4.0			4	23.448023	-7	-23.78181	63.807	0.1331	219.1227				
2498	2MASS J16523515-2900186	PM				16	52.585717	-29	-0.31817	63.820	0.2077	197.2679				
2499	2MASS J17453466-1640538	Brown dwarf	L1.3V			17	45.57778	-16	-40.89936	63.845	0.0853	133.1785	26			
2500	L 587-51	PM	M2.5			3	7.8898232	-28	-14.16527	63.845	0.2025	251.4772				
2501	LP 321-16	PM	M3.5			8	39.420979	29	53.298711	63.845	0.0980	314.3770				

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
2502	G 139-5	PM	M3.5			17	1.0353082	8	12.440374	63.857	0.1784	233.5241	-37.7			
2503	G 268-47	PM	M3			0	47.13266	-23	-30.46931	63.870	0.1320	132.2349	19.87			
2504	L 136-1	PM				7	23.345808	-60	-6.217756	63.870	0.2656	350.3188	7.66			
2505	BD+82 733	V	K2			23	40.966451	82	52.322449	63.882	0.0271	240.9923	-3.77			
2506	EGGR 16	White dwarf	DA9.5			2	16.940667	42	58.185	63.882	0.5874	125.2012				
2507	G 194-50	PM	M3.5			9	0.8679623	48	25.412335	63.882	0.6224	193.7433				
2508	TWA 22	LMXB	M5			10	17.448306	-53	-54.44099	63.882	0.1007	268.3656	14.8			
2509	EGGR 140	White dwarf	DA3.0			20	44.357645	-68	-5.355948	63.907	0.1698	141.4127	7.7			
2510	UCAC4 776-020002	PM	M4.0V			4	54.497221	65	4.6852999	63.907	0.0687	150.7552	-4.49			
2511	HD 56533	PM	K6Vk:			7	13.118147	-63	-20.69689	63.920	0.3692	24.8785	16			
2512	SCR J1918-4554	PM red / white dwarf stars Subasavage 2005	M			19	18.491104	-45	-54.50766	63.932	0.3790	219.7858				
2513	TYC 9009-33-1	PM	M1Ve			14	11.145494	-61	-55.78441	63.932	0.0939	106.2962	5.4			
2514	CD-34 239	PM	K9V			0	41.507903	-33	-37.53387	63.945	0.2494	234.1549	37.58			
2515	L 341-114	Star	M3			17	26.694714	-47	-12.11951	63.945	0.4309	230.8086	-10			
2516	LP 759-25	PM	M6Ve			22	5.5955658	-11	-4.482688	63.945	0.1876	237.0610				
2517	HD 82342	PM	K3.5V			9	30.468127	-32	-6.20422	63.958	0.1870	12.0717	39.43			
2518	NLTT 52931	PM	M4V			22	6.4960048	2	22.530311	63.958	0.1609	284.3084	-25			
2519	G 205-38	PM	M3.5Ve			18	50.754223	47	58.320342	63.970	0.1612	114.2334				
2520	LHS 3781	PM	K7.5Ve			22	14.523558	27	51.31155	63.970	0.3331	21.6371	19.8			
2521	UCAC4 212-150702	PM				17	32.365709	-47	-36.96774	63.970	0.1711	231.1794				
2522	L 330-100	PM	M0.5			13	35.190693	-48	-21.42823	63.983	0.2127	100.1244	28.97			
2523	UPM 1337-6538	UCAC4 Nearby Star Candidate Aug 2014	M			13.631387		-65.633859		64.003	0.0315	187.3219				
2524	HD 192263	BY Draconis variable	K1/2V			20	13.997425	0	52.012861	64.008	0.1561	13.5041	-10.87			
2525	LP 902-30	PM	M5V			9	30.461311	-32	-6.367138	64.033	0.1873	9.6626				
2526	UPM 1034-2819	UCAC4 Nearby Star Candidate Aug 2014	M			10.573517		-28.321928		64.037	0.1333	268.6498				
2527	c Uma (16 Uma)	SB	G0V		3.72	9	14.34229	61	25.39923	64.046	0.0189	190.0120	-14.3			Ursae Majoris
2528	UCAC4 415-000148	PM	M4.5V			0	6.6540169	-7	-5.598805	64.046	0.0905	40.4881	0.48			
2529	HD 157347	PM	G3V			17	22.854795	-2	-23.29066	64.058	0.0690	155.7484	-35.98			
2530	L 657-32	PM	M2.5V			2	28.532265	-20	-2.436036	64.058	0.3776	290.8461				
2531	LP 704-14	Flare	M3			23	57.322647	-12	-58.67882	64.058	0.1220	276.7612	19.71			
2532	UCAC4 349-080638	PM	M4			16	37.719999	-20	-13.56556	64.071	0.0704	132.5717				
2533	2MASS J23464599+1129094	Brown dwarf	M9			23	46.767132	11	29.157829	64.096	0.2299	257.7857	0			
2534	UPM 2006-1533	UCAC4 Nearby Star Candidate Aug 2014	M			20.109963		-15.552011		64.104	0.0895	244.8683				
2535	BD-09 956		M0V			4	40.487682	-9	-11.76632	64.134	0.0912	224.6384				
2536	LHS 6176	PM	M4			9	50.826531	1	18.227111	64.134	0.2480	144.2592				
2537	LP 859-1	PM	M7Ve			15	4.2696157	-23	-55.94306	64.134	0.1994	255.1900	-29			
2538	UPM 1235-1316	UCAC4 Nearby Star Candidate Aug 2014	M			12.586546		-13.269536		64.138	0.0224	191.3682				
2539	GJ 4292	Flare	M5V			22	43.386594	22	8.3004194	64.146	0.2271	270.3167	-3			

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
2540	CD-24 17443	PM	M1:V			23	0.5567083	-23	-57.17189	64.159	0.2296	151.0159	0.13			
2541	UCAC3 121-165882	PM				14	26.093383	-29	-46.82831	64.159	0.0986	146.6006				
2542	TYC 3055-1525-1	UCAC4 Nearby Star Candidate Aug 2014	M			15.455338		41.502947		64.171	0.0701	247.9071				
2543	UPM 0402-0242A	UCAC4 Nearby Star Candidate Aug 2014	M			4.0425809		-2.7044808		64.171	0.0335	130.4934				
2544	CD-24 17445	PM	M2V			23	0.6098542	-23	-58.17787	64.184	0.2314	150.7677	1.19			
2545	CD-38 13254	Star	G0			18	59.824167	-38	-12.93841	64.184	0.0229	1.0162				
2546	HD 128642	PM	G5			14	29.371888	80	48.590738	64.184	0.0878	210.6131	-37.18			
2547	L 630-44	PM	M4			17	27.234696	-25	-9.607218	64.184	0.3623	137.3426				
2548	UCAC4 527-013657	PM	M3.0Ve			5	30.620376	15	14.47475	64.197	0.1064	221.8250				
2549	TYC 3382-603-1	Star				6	6.1022207	48	51.66104	64.210	0.0075	315.8720				
2550	PG 1350-090	White dwarf	DAP5.3			13	53.25891	-9	-16.55623	64.222	0.2924	135.5266				
2551	UCAC3 157-131101	PM	M4.5V			13	38.681376	-11	-32.12914	64.235	0.1003	120.0674	5.63			
2552	CPD-64 303	PM				4	6.0327059	-64	-5.616478	64.260	0.0356	220.1772	-3.89			Reticuli
2553	UCAC3 226-217434	PM	M			20	0.7162996	22	42.569643	64.260	0.1479	182.7626				
2554	L 50-78	PM	M3.5			0	31.07087	-72	-1.098319	64.286	0.2561	288.6921				
2555	NLTT 47423	PM				19	7.3689779	4	43.922	64.324	0.1707	238.3746				
2556	HD 136923	PM	G9V			15	22.780565	18	55.13765	64.336	0.1411	71.3756	-6.9			
2557	UPM 0724-3125	UCAC4 Nearby Star Candidate Aug 2014	M			7.405899		-31.432685		64.339	0.0750	69.6676				
2558	bet Pic HD 28050 (HIP 27321)	Heavy dust clouds & protoplanetary disk and one known planet (b)	A6V		2.42	5	47.284866	-51	-3.990214	64.362	0.0481	358.2708	20	1g	0.2	Pictoris
2559	HD 105671	PM	K4Vk:			12	9.9163613	-46	-12.50349	64.375	0.2277	257.5805	-6.52			
2560	DENIS J0205.4-1159	Brown dwarf	L7+L7			2	5.4900167	-11	-59.4945	64.387	0.2502	276.9433				
2561	LP 855-14	PM	M1.5V			13	27.899418	-26	-57.02469	64.387	0.1310	241.1968	22.29			
2562	HD 200525C	PM				21	9.3958529	-73	-10.44126	64.400	0.3080	124.9481				
2563	HD 219764	PM	K5Vk:			23	19.089985	-60	-31.23981	64.400	0.0599	245.2577	-2.25			
2564	LP 854-3	PM	M2.5			12	56.222257	-22	-4.97645	64.400	0.2389	225.8976	-13.39			
2565	LTT 4550	PM	M3.5			12	9.9695548	-46	-11.53722	64.400	0.2284	258.2891				
2566	TYC 5430-1154-1	PM	M0.5V			8	10.440926	-11	-9.613017	64.400	0.0680	321.1537	-1.12			
2567	2MASSI J0534584-151143	Brown dwarf	M8.9V			5	34.974149	-15	-11.73148	64.413	0.0794	59.5085				
2568	G 33-6	PM	M3.5Ve			0	44.322182	12	37.044897	64.413	0.2025	122.8134				
2569	HD 189733	BY Draconis variable b,	K0V	M4V	6.26	20	0.7285506	22	42.651197	64.426	0.1456	180.7542	-2.55			Vulpeculae
2570	LHS 1103	PM				0	35.128894	76	27.90601	64.426	0.2925	273.7312				
2571	LP 314-44	PM				9	39.388582	29	43.451925	64.426	0.2544	259.5534				
2572	LHS 6274	PM				14	52.278397	41	19.314755	64.451	0.2666	260.8593				
2573	BD-05 4394	PM	M0			17	2.8264398	-6	-4.104191	64.477	0.0881	236.4728	-19.4			
2574	GJ 3331B (BD-21 1074B)		M3?			5	6.8245	-21	-35.06333	64.477	0.0309	135.8392	23.7			Lupi
2575	HD 197092	PM	K0V			20	42.098527	-21	-16.63215	64.477	0.0372	222.6962				
2576	SCR1959-3631	PM red / white dwarf stars Subasavage 2005	M			19	59.3505	-36	-31.065	64.508	0.4360	158.1000				Sagittarii

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
2577	GJ 1080	PM	M3.5Ve			5	28.243333	2	58.238333	64.515	0.6750	196.9357	132			
2578	HD 110810	PM	K4V			12	45.240219	-57	-21.48006	64.528	0.1398	236.8009	14.76			
2579	2MASSI J1403223+300754	PM	M9V			14	3.3715298	30	7.9106224	64.540	0.4674	87.2211	-29			
2580	L 728-1	PM	M2.5V			2	9.6022285	-14	-21.54404	64.540	0.3625	124.0727	17.64			
2581	LP 854-50	White dwarf	DA8.5			13	19.41235	-21	-47.91458	64.540	0.2679	180.5462				
2582	LHS 1848	PM	M4			6	25.883257	56	10.415843	64.553	0.3003	167.3305				
2583	LP 925-27	PM	M3.0			19	38.45665	-32	-31.4243	64.553	0.2033	164.8983				
2584	G 253-34	PM	M4.5			10	1.1851836	81	9.3761092	64.566	0.2094	206.9331				
2585	nu 2 CMa	giant	K1.5III-IVFe1			6	36.683973	-19	-15.35204	64.566	0.0556	139.5867	2.57			Canis Majoris
2586	G 130-9	PM	K4V			23	45.825018	36	15.302944	64.579	0.2033	277.8557	-20.74			
2587	2MASS J12471472-0525130	PM	M4.5			12	47.245393	-5	-25.2218	64.592	0.4323	40.7746				
2588	BD+21 2486C	Brown dwarf	L5			13	5.6844136	20	46.657683	64.604	0.0563	32.6597	6			
2589	SCR 0106-6346	UCAC4 Nearby Star Candidate Aug 2014	M			1.1063011		-63.777545		64.608	0.0953	293.3870				
2590	BD+40 4631	PM	K8V			21	44.499362	41	35.847709	64.617	0.0429	56.1414	9.73			
2591	2MASS J08334323-5336417	PM				8	33.719905	-53	-36.68727	64.630	0.2709	33.3591				
2592	2MASS J20232212+0800149	PM				20	23.368647	8	0.2508252	64.643	0.1221	175.8455				
2593	TYC 6871-112-1	Star				18	47.76399	-28	-9.341153	64.643	0.0052	184.5660	-44.5			
2594	UCAC3 136-432913	PM				20	5.5864049	-22	-18.27178	64.643	0.0652	150.2917	-26.82			
2595	2MASS J20125995+0112584	PM	M6V			20	12.999037	1	12.971294	64.656	0.1491	108.2941	-50			
2596	2MASS J03000272+6251582	PM				3	0.0453007	62	51.974194	64.669	0.1767	156.3107				
2597	TYC 3529-1437-1	PM	M2			18	17.41876	48	22.038855	64.669	0.0387	43.2878	-24.31			
2598	UPM 1133-1531	UCAC4 Nearby Star Candidate Aug 2014	M			11.550145		-15.531812		64.675	0.0587	130.5766				
2599	2MASS J01530103+2937044	PM				1	53.017465	29	37.065652	64.681	0.1378	177.5393				
2600	HD 4747	SB	G8/K0V			0	49.446075	-23	-12.74815	64.681	0.3087	283.6795	8.88			
2601	StM 187	PM	M3.5V			13	41.771784	58	15.329896	64.681	0.0611	123.8591				
2602	NLTT 48567	PM	M2V			20	1.1025541	0	16.258765	64.694	0.1306	165.7006	-28			
2603	GJ 3560	PM	M2.5Ve		12.75790172	9	35.219869	35	14.615717	64.706	0.0720	288.3934	-45.38			Leonis Minoris
2604	UCAC4 354-132563	PM				18	26.526573	-19	-23.51373	64.707	0.3207	212.6972				
2605	HD 64468	PM	K2.5V			7	54.901057	19	14.180434	64.720	0.2696	167.9292	-8.91			
2606	HD 97214	PM	K5V			11	11.178348	-10	-57.05318	64.733	0.6477	57.8241	37.24			
2607	2MASS J23224684-3133231	Brown dwarf	L1.6:V			23	22.780462	-31	-33.39148	64.746	0.3359	200.6052	33.86			
2608	GJ 3331 (BD-21 1074A)	Flare star	M2		9.885390462	5	6.8319378	-21	-35.1521	64.761	0.0287	109.3171	20.71			Lupi
2609	CD-42 1943	PM	K2			5	26.600325	-42	-20.29208	64.771	0.1077	269.3090	3.94			
2610	HD 181321 (166 G. Sgr)	PM	G2V			19	21.495463	-34	-59.00594	64.784	0.0699	145.2446	-12.6			Sagittarii
2611	HD 34751		K6Vk			5	18.786518	-21	-23.62576	64.797	0.0838	254.0464	29.7			
2612	L 375-2	PM	M2.0			4	32.710581	-39	-47.20246	64.797	0.5800	166.3373	15.76			
2613	APMPM J2359-6246	PM	M6Ve			23	58.714686	-62	-45.70718	64.810	0.3470	278.0521				
2614	GD 219	White dwarf	DA3.3			19	21.673634	14	40.690049	64.823	0.0481	203.5822	18.3			
2615	2MASS J04593230-6153042	PM	M2.5			4	59.537909	-61	-53.06871	64.836	0.1157	83.0467	-47.66			
2616	L 190-266	PM	M3			10	22.410042	-60	-10.62776	64.836	0.3131	139.9024	25			
2617	SCR J2135-5325	PM				21	35.660397	-53	-25.52593	64.836	0.1110	28.5268				

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
2618	UCAC4 236-057443	PM				11	59.627715	-42	-56.65097	64.836	0.3564	221.2384				
2619	UPM 1704-5125	UCAC4 Nearby Star Candidate Aug 2014	M			17.071858		-51.432613		64.843	0.0828	262.8950				
2620	LHS 301	PM	M3.5V			11	21.641602	6	8.4334596	64.849	1.0268	205.5778	49.08			
2621	BD+28 4660	PM	K6V			23	53.143192	29	1.083911	64.875	0.0471	76.0625	1.3			
2622	LHS 3850	PM	M5			22	46.439114	-6	-39.43935	64.875	0.5119	127.8323				
2623	LP 704-15		M4+M8			23	57.342991	-12	-58.81419	64.926	0.1236	274.1226	924.08			
2624	LHS 2186	PM	M4			9	46.154207	-4	-25.72098	64.939	0.3371	73.3575	62.68			
2625	UPM 1906-1755	UCAC4 Nearby Star Candidate Aug 2014	M			19.102725		-17.930316		64.977	0.0537	132.1442				
2626	2MASS J11421305-0121544	PM				11	42.217482	-1	-21.90393	64.978	0.0653	260.6323				
2627	2MASS J07043449+1657273	PM	M4.0			7	4.5747934	16	57.450596	64.991	0.1185	181.9767				
2628	mu Cyg	B	F6V	dF3	4.7	21	41.9	28	31	65.000	0.6400	132.0000	17.7		0.044	Cygni
2629	2MASS J00145575-4844171	Brown dwarf	L3			0	14.929519	-48	-44.2817	65.017	0.5324	287.9137				
2630	2MASSI J0019457+521317	PM	M9			0	19.763927	52	13.293068	65.017	0.2430	131.9384	-29.1			
2631	2MASS J11473444-7457592	PM				11	47.574197	-74	-57.98733	65.030	1.0035	38.2460				
2632	G 197-47	White dwarf	DA8.6			12	11.487889	57	24.287388	65.030	0.3226	131.7318				
2633	LP 638-50	PM	M5.5Ve			21	51.450424	-1	-27.2384	65.030	0.1243	274.9084				
2634	UCAC4 662-051587	RotV	M4.0V			8	6.92183	42	17.550502	65.030	0.2059	219.4482	17			
2635	G 140-9		M0V			17	43.013336	5	47.359738	65.043	0.1357	105.0115	-7.2			
2636	G 201-33	PM	M3.5			15	5.8241769	55	4.720068	65.043	0.2815	70.4677				
2637	L 225-57	PM	M4			2	34.353167	-53	-5.612554	65.043	0.2390	142.5508	40.27			
2638	LHS 5009	PM	M4.5V			0	32.262004	54	29.038924	65.069	0.2837	205.2771	-14.75			
2639	G 272-25	PM				1	30.497986	-16	-24.29169	65.108	0.1113	226.4075	10.63			
2640	LP 220-13	PM	M8V			13	56.691061	43	42.986393	65.108	0.2642	85.1415	-22.2			
2641	SIPS 1426-2946	UCAC4 Nearby Star Candidate Aug 2014	M			14.43489		-29.780476		65.112	0.0986	146.6006				
2642	V* V2367 Oph	BY Draconis variable	M3.5			17	13.674488	-8	-25.24699	65.121	0.3484	227.0319	-2.5			
2643	2MUCD 20994	Brown dwarf	L5			23	17.785169	-48	-38.83767	65.134	0.1498	284.7997				
2644	LP 732-15	PM				11	17.107631	-11	-22.4218	65.134	0.2430	249.0875				
2645	2MASS J06300140-1840143	Brown dwarf	M8.5			6	30.024349	-18	-40.24709	65.147	0.3393	148.3128				
2646	G 267-100	PM	M2.5			0	25.071839	-36	-46.29763	65.160	0.1442	281.6996	9.55			
2647	LP 884-94	PM	M3.5			1	51.085647	-30	-57.94489	65.160	0.1846	341.5520				
2648	UCAC4 280-067639	PM				12	30.028784	-34	-11.4019	65.173	0.2939	236.4261				Centauri
2649	2MUCD 11143	Brown dwarf	L7			13	26.496983	0	38.524833	65.186	0.1455	244.6647				
2650	EGGR 321	White dwarf	DA11P			7	33.514671	64	9.4572579	65.199	0.1519	170.6811				
2651	2MASS J03595571-1635083	PM				3	59.928626	-16	-35.13854	65.251	0.2477	319.2902				
2652	GJ 3174	Flare	M3.7V			2	39.288812	7	28.285609	65.251	0.2909	105.9498	1.4			
2653	NLTT 29567	PM	M5V			12	5.6060832	56	23.75733	65.251	0.1507	161.4173	-11			
2654	UCAC4 352-056819	PM	M2.0			9	43.652002	-19	-45.72979	65.264	0.1749	287.0750				
2655	2MASS J03202839-0446358	Brown dwarf	M8.5+T5			3	20.47266	-4	-46.60698	65.277	0.3319	203.2954	3.13			
2656	G 35-39	PM	M2.5Ve			2	18.599387	20	47.824079	65.277	0.1704	185.0041				
2657	BD+34 2541	PM	K6V			14	34.963528	33	44.803647	65.291	0.4376	71.1313	-55.35			

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
2658	Ross 826	PM	M3.3V			21	16.063983	29	51.767153	65.291	0.1250	281.0918	-2.3			
2659	2MASS J15345325+1219495	Brown dwarf	L3			15	34.88774	12	19.823424	65.304	0.1039	102.3315				
2660	Ross 21	PM	M3.5			2	31.461114	57	22.719343	65.304	0.6493	270.5725				
2661	LHS 1667	PM	M5V			4	22.558291	39	0.7272933	65.330	0.4912	135.7552	8			
2662	2MASS J20350677+0218289	PM				20	35.11311	2	18.4842	65.356	0.0620	251.6555				
2663	2MASS J08040580+6153336	Brown dwarf	M9			8	4.0965196	61	53.547803	65.369	0.3689	184.6876				
2664	LP 789-23	PM	M7.5			10	6.5324494	-16	-53.43849	65.382	0.2157	58.9003	27.8			
2665	LP 914-6	PM	M3.0			14	40.369017	-27	-52.70641	65.382	0.1495	214.4958	11.16			
2666	HD 217107		G8IV/V			22	58.25902	-2	-23.72312	65.395	0.0095	205.6884	-13.14			
2667	CD-58 7734	PM	K5.0			20	22.699136	-58	-17.1399	65.422	0.5096	119.8457	4.06			
2668	L 691-8	PM	M3.5			14	2.4813407	-21	-0.611835	65.422	0.3598	128.7647				
2669	LHS 286	PM	M8V			10	37.483	30	11.195	65.422	0.5824	234.8017	13.3			
2670	UCAC3 213-3093	PM	M2.0Ve			0	46.888248	16	3.0447222	65.422	0.0749	245.9754	-6.71			
2671	Ross 644	PM	K7V			16	54.200546	11	54.88096	65.435	0.3660	59.8187	-66.45			
2672	BD-06 1339	PM	K7V/M0V			5	53.004743	-5	-59.69068	65.448	0.2017	180.1849	24.1			
2673	LP 698-2	PM	M6V			21	32.496157	-5	-11.98379	65.474	0.2099	161.2104				
2674	HD 12058	PM	K4.5Vk:			1	56.541569	-60	-13.59827	65.501	0.2823	293.0885	3.12			
2675	L 159-20	PM	M3.5			18	52.003166	-60	-46.1842	65.514	0.4200	62.3676				
2676	WT 1680	PM				9	43.644103	-19	-45.68739	65.527	0.1779	284.9118				
2677	GJ 2034 (V* RR Cae)	White dwarf Border area to Pictoris and Horologii	DA8		14.80952556	4	21.092717	-48	-39.117	65.580	0.3133	178.0955				Caeli
2678	rho Pup (15 Pup)	PulsVdelSct	F5IIkF2IImF5II		1.41	8	7.544106	-24	-18.25982	65.580	0.0551	59.3508	45.8			Puppis
2679	SCR 0432-5741	UCAC4 Nearby Star Candidate Aug 2014	M			4.5493824		-57.696129		65.582	0.0452	290.1594				
2680	LP 609-24	low-mass	M7Ve			10	3.31932	-1	-5.133483	65.593	0.2915	84.5671	22			
2681	GD 356	White dwarf	DAEH6.5			16	40.952474	53	41.15533	65.619	0.1308	212.0616				
2682	GJ 3247 (G 160-19)	PM	M4.5V		13.79771968	3	43.367717	-9	-33.84468	65.624	0.3020	303.3833				Eridani
2683	CD-51 89	PM				0	23.308782	-50	-53.63232	65.646	0.3195	270.0105	-36.5			
2684	Wolf 386	PM	M0V			11	23.742899	8	33.809239	65.646	0.5944	79.1189	54.97			
2685	LP 593-56	White dwarf	DQ9			3	47.113761	1	38.793941	65.659	0.2734	150.1552				
2686	UCAC4 330-071450	PM				14	9.9827915	-24	-3.659297	65.659	0.0690	72.4582				
2687	G 88-2	PM	M3.0Ve			6	59.480843	19	30.561697	65.685	0.1567	220.3337				
2688	GJ 3786	Flare	M3.5V			13	27.327817	-31	-10.65717	65.685	0.3402	255.0370	7.3			
2689	2MASS J04393407-3235516	PM	M5.5			4	39.567739	-32	-35.85946	65.699	0.0593	84.5363				
2690	HD 202751	PM	K4/5V			21	18.049568	0	9.6945125	65.699	0.2931	111.9180	-27.7			
2691	alpha Cae		F2 V		4.759	4	40.561875	-41	-51.82515	65.700	0.0930	332.0370	-0.6			Caeli
2692	Haro 17319 (6-47)	Orion_V				5	28.80352	11	20.918583	65.738	0.0655	237.0405				
2693	BD+36 2322B	PM	M4.5V			12	57.655209	35	13.319147	65.752	0.1847	243.6864	-5.7			
2694	G 163-21	PM	M4.0V			10	54.699333	-7	-18.55739	65.752	0.2386	204.9668	65.89			
2695	LHS 1153	PM				0	48.844961	35	51.373764	65.752	0.3014	172.2207				
2696	BD-10 47	PM	M0V			0	19.092711	-9	-57.89116	65.805	0.1766	186.9216	-11.1			
2697	UCAC4 519-064657	PM	M4.0V			17	23.946664	13	38.336407	65.805	0.0957	143.6836	18.08			
2698	G 234-56	PM	M2.5			9	8.7667478	66	35.643457	65.818	0.1499	122.9247				

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
2699	HD 34751B	PM	M3.5V			5	18.792307	-21	-23.60802	65.858	0.0845	252.4100				
2700	LP 772-8	PM	M4.0			3	9.8531516	-19	-6.795231	65.858	0.2163	99.1389				
2701	UCAC4 536-150368	PM	M4.0V			23	26.197279	17	0.1268417	65.858	0.0862	106.2547				
2702	G 65-40	PM	M2V			14	17.081026	10	35.600275	65.871	0.1755	249.4470	1.85			
2703	HD 180161	BY Draconis variable	G8V			19	12.189284	57	40.318728	65.885	0.2686	332.0643	-27.26			
2704	LHS 1554	PM	M2.5Ve			3	31.785657	14	19.295734	65.885	0.3930	176.6730	-33.5			
2705	LP 375-69	PM				11	59.984173	21	5.0474082	65.885	0.1421	209.1825				
2706	G 139-50	PM	M2.5Ve			17	38.854111	8	1.5880044	65.898	0.1374	200.2889				
2707	HD 35112		K3V			5	22.624855	2	36.191447	65.898	0.0874	158.0463	36.41			
2708	Ross 991	PM	M2.5V			12	47.016555	46	37.556185	65.898	0.4758	248.5848	0.4			
2709	HD 198550	Star	K5V			20	50.175962	29	23.045886	65.911	0.0215	184.0448	-8.58			
2710	LAWD 68	White dwarf	DAs			17	37.012009	-54	-25.9427	65.925	0.2713	191.4111				
2711	LP 721-16	PM	M2.5			6	59.161362	-13	-47.426	65.925	0.1776	107.6610				
2712	LP 636-16	PM	M4.5			20	52.524987	-1	-47.15174	65.938	0.0624	238.5681				
2713	GJ 1290	Flare	M3.4V			23	44.34808	21	36.08509	65.951	0.2691	280.0017	-5.9			
2714	G 143-35	PM	M4.0V			20	11.220993	16	11.133151	65.978	0.3363	46.2506	-49			
2715	HD 89269	PM	G4V			10	18.865799	44	2.8992617	65.978	0.1784	168.4006	-7.53			
2716	HD 128400	PM	G6V			14	41.874326	-75	-8.368741	65.991	0.0713	99.1697	-2.92			
2717	alpha Ari (Hamal)	Giant	K2 III Ca-1		0.48	2	7.173452	23	27.745383	66.000	0.1397	322.6100	-14.2			Arietis
2718	HD 200525		F9.5V			21	9.3740508	-73	-10.376	66.018	0.3305	129.6373	-8.3			
2719	SCR J1429-4808	PM				14	29.689553	-48	-8.524983	66.018	0.4420	10.0173				
2720	V* CR Dra	Flare	M5.6V			16	17.088996	55	16.146844	66.018	0.2581	167.6925	-28.25			
2721	LP 263-71	PM				11	5.5578025	32	13.87851	66.058	0.0912	309.1346				
2722	Ross 878	PM	M2V			7	27.476868	22	2.63229	66.072	0.1735	241.0683	28.01			
2723	2MASS J10364483+1521394 A	PM	M3.5			10	36.747333	15	21.658333	66.085	0.0688	120.4655	-12.7			
2724	L 484-31	PM	M1d			16	56.752192	-37	-3.644641	66.085	0.2781	197.9745	-52.83			
2725	LP 930-22	PM				21	41.780156	-27	-4.910692	66.099	0.1776	151.2782				
2726	Ross 365	PM	M2.5Ve			2	56.585932	55	26.493508	66.099	0.4911	122.6898	70.5			
2727	SCR1125-3834	PM				11	25.621277	-38	-34.71738	66.099	0.3427	253.0275				Centauri
2728	Ross 364	PM	M1.0Ve			2	56.573745	55	26.234987	66.112	0.4993	122.0223	76.2			
2729	UCAC3 59-14447	PM				6	1.3156232	-60	-47.1545	66.112	0.1803	125.7354	72.18			
2730	2MASSI J1627279+810507	PM	M9			16	27.464551	81	5.1314074	66.152	0.2410	35.2729				
2731	LHS 2018	PM	K7V			8	29.938803	61	43.545669	66.179	0.5183	143.4303	-51.57			
2732	2MASS J11114824+1456264	UCAC4 Nearby Star Candidate Aug 2014	M			11.196734		14.940642		66.186	0.0791	228.4890				
2733	UPM 1407-3403	UCAC4 Nearby Star Candidate Aug 2014	M			14.132459		-34.063058		66.186	0.0433	110.5290				
2734	LP 872-48	White dwarf	DC			20	52.280694	-22	-6.557044	66.193	0.0845	358.3438				
2735	Ross 776	Flare	M3.3V			21	16.09688	29	51.852579	66.206	0.1199	276.7344	-1.8			
2736	TYC 6514-1745-1	Star				6	24.141958	-26	-55.39279	66.206	0.0076	291.4493				
2737	UPM 1752-4551	UCAC4 Nearby Star Candidate Aug 2014	M			17.870571		-45.863112		66.220	0.0512	69.4440				
2738	BD+65 1846	PM	M0.5Ve			23	4.5034757	66	45.863063	66.233	0.1834	104.6318	6.33			

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
2739	G 86-7	PM	M2.5			4	44.622601	29	49.268539	66.233	0.1400	210.7312	19.78			
2740	HD 51866	PM	K3V			7	1.6431283	48	22.720295	66.233	0.4056	128.3348	-21.62			
2741	LHS 3999	PM	M3			23	41.012135	-44	-57.30263	66.233	0.4341	99.8916				
2742	LHS 6394	PM	M3.0Ve			22	6.0111024	39	18.048258	66.233	0.2700	171.4264				
2743	HD 149806		K0V			16	37.14048	0	15.26057	66.246	0.0705	309.3533	10.43			
2744	LP 855-60	PM	M3.5V			13	44.348422	-26	-18.58636	66.246	0.2179	240.5710	-29.1			
2745	UPM 1159-4510	UCAC4 Nearby Star Candidate Aug 2014	M			11.991077		-45.17201		66.253	0.0316	256.3730				
2746	GJ 3822	PM	M1V			14	2.327084	13	41.37812	66.260	0.0999	144.9051	-7.8			
2747	G 46-23	PM				9	10.01243	9	1.6349572	66.273	0.1826	84.1545				
2748	tau Cyg	variable star delta Sct Type, B	F2 IV		3.8	21	14.791542	38	2.7190683	66.273	0.2648	334.3527	-20.9			Cygni
2749	pi 1 Cnc	SB	G9V			9	12.292457	14	59.762937	66.287	0.3361	64.9897	49.83			Cancri
2750	Wolf 750	PM	M3			17	28.506427	37	27.118414	66.300	0.1098	173.4181	11.13			
2751	2MASS J01550230+3758027	PM	M5			1	55.038759	37	58.038	66.314	0.3102	154.4711	-60			
2752	L 527-16	PM				7	16.487109	-31	-32.61233	66.314	0.1167	173.4962				Puppis
2753	LP 287-39	White dwarf	DC			22	17.79365	37	7.8486672	66.314	0.2721	281.1932				
2754	SSSPM J2352-2538	Brown dwarf	M9e			23	51.841092	-25	-37.61399	66.314	0.2451	297.9748	-5.68			
2755	2MASS J05500772+1610556	PM				5	50.129336	16	10.916702	66.327	0.2254	139.8895				
2756	LHS 539	PM				23	15.86016	-37	-33.51164	66.341	0.7603	281.3026				
2757	G 184-22	PM				18	44.279617	22	9.3935298	66.354	0.1900	306.5108				
2758	GJ 3504	Flare	M6			8	32.508049	-1	-34.64243	66.368	0.2899	161.3190				
2759	GJ 4368 (LHS 4022)		M3V		10.93245363	23	50.60268	9	56.892071	66.368	0.4048	291.1865	-8.39			Pegasi
2760	LP 294-35	PM				1	1.114798	29	15.546672	66.368	0.1229	104.0099				
2761	tau Cyg C	PM	M2.5Ve			21	14.781113	38	1.2383517	66.368	0.2632	338.2497	-23.54			Cygni
2762	GD 25	White dwarf	DA5.4			2	16.272529	39	51.42354	66.381	0.1082	238.6327				
2763	HD 30501	SB	K2V			4	45.642992	-50	-4.451997	66.381	0.3252	232.7431	23.09			
2764	LP 328-40	PM				15	46.390533	31	2.9088701	66.381	0.2362	51.4576				
2765	G 268-130	PM	M3			1	9.2083653	-24	-41.34861	66.395	0.1752	274.6900	-11.2			
2766	HD 220221	PM	K3V(k)			23	21.740855	45	10.563175	66.395	0.1218	110.3815	-13.72			
2767	UCAC3 65-476229	PM				22	24.893193	-57	-47.99593	66.408	0.2174	156.7072				
2768	G 38-24	PM	M1.5V			4	4.1021881	30	42.760233	66.436	0.2236	114.1572	2.12			
2769	22 Lyn	PM	F6V			7	29.932614	49	40.347693	66.449	0.0809	126.8466	-27.33			Lyncis
2770	G 29-19	PM	M3.0Ve			23	17.575783	6	23.474539	66.449	0.1757	145.6490				
2771	HD 208313	BY Draconis variable	K0V			21	54.75066	32	19.713988	66.463	0.1829	138.1956	-13.28			
2772	LHS 2094	PM	M3.0Ve			9	2.3314013	8	28.108995	66.463	0.3772	108.0560	38.5			
2773	G 93-33	PM	M3.0V			21	44.216513	6	38.487928	66.476	0.2118	242.8592	13			
2774	Ross 768	PM	M0			21	2.6787158	-18	-31.28245	66.476	0.2073	108.6255	-2.28			
2775	2MASS J15525906+2948485	Brown dwarf	L0.5:V			15	52.984369	29	48.809605	66.490	0.1011	247.2320	-19.9			
2776	HD 6660A	PM	K4V			1	7.63124	22	57.298767	66.490	0.2915	168.1316				
2777	HIP 110922		M3-V+M3V			22	28.390272	-25	-54.12845	66.490	0.1984	178.0846				
2778	LHS 3409	PM M Sub-dwarf high metallic: Titanium & Calcium	sdM4.5			18	45.872833	52	27.666667	66.490	0.4914	63.0000	-80.3			
2779	LHS 358	PM	M4.5			13	41.194617	30	1.4318333	66.490	0.9005	84.0000				

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
2780	G 220-6	PM				2	17.085635	54	34.893118	66.503	0.1802	12.1087	-33.51			
2781	LHS 5411	PM	M3.5			23	57.752976	19	46.185585	66.503	0.2928	165.2050	12.64			
2782	G 29-18	PM	M3			23	16.141131	6	44.603721	66.544	0.1773	145.2744				
2783	UCAC4 480-049635	Star				10	55.092638	5	59.720227	66.544	0.0258	4.5553				
2784	UPM 2206-7653	UCAC4 Nearby Star Candidate Aug 2014	M			22.115246		-76.899671		66.556	0.0622	297.2842				
2785	HD 24496	PM, B, b	G7V			3	54.467224	16	36.963252	66.558	0.1590	127.2188	18.99	1	0.3	Tauri
2786	UCAC4 803-022395	PM	M3.5V			13	33.561539	70	29.686616	66.558	0.0773	79.7733				
2787	UPM J1142-6440	PM				11	42.498989	-64	-40.56543	66.558	0.1200	229.1848				
2788	alpha Tauri Aldebaran	(Bull's Eye) B ?	K5 III	M2 v	-0.63	4	35.920651	16	30.558142	66.571	0.1159	161.4369	54.26		0.042	Tauri
2789	2MASS J06411186-0432127	PM				6	41.198753	-4	-32.20512	66.571	0.5278	303.8585				
2790	LP 57-40	PM	M4			6	0.7750667	68	8.5006667	66.571	0.6876	159.0808				
2791	BD+05 2767	PM	K5V			13	34.35837	4	40.043989	66.585	0.1146	128.7404	14.92			
2792	LSPM J0557+1708E	PM				5	57.318646	17	8.4596051	66.585	0.2054	138.4393				
2793	G 35-32	PM	M3.0Ve			2	11.68278	18	33.63291	66.599	0.1949	324.1690				
2794	gamma Dor	pulsating variable	F1V		2.72	4	16.026471	-51	-29.19865	66.626	0.1214	331.5216	25.2			Doradus
2795	GJ 4224 (L 427-34)	PM	M2.5		11.55844833	21	49.197512	-41	-33.54058	66.626	0.6029	116.8135	34.98			Gruis
2796	HD 104067	PM	K2V			11	59.166817	-20	-21.22687	66.626	0.2600	161.5286	15.13			
2797	LP 102-241	PM	M4.5			17	46.197333	60	24.376667	66.626	0.1316	19.6368				
2798	LP 715-39	PM	M3.0V			4	38.619272	-11	-30.24632	66.626	0.2100	228.0119				
2799	UCAC4 493-042516	PM				7	18.698403	8	30.024546	66.626	0.0710	195.5314				
2800	HD 212330 (HIP 110649)	SB	G2IV-V			22	24.939535	-57	-47.84708	66.639	0.2187	160.1136	14.39			Tucanae
2801	G 151-51	PM	M0V			15	21.571847	-2	-16.9694	66.653	0.1680	173.3513	-6.55			
2802	HD 219482 (HIP 114948)	PM	F6V		4.07	23	16.961457	-62	-0.07198	66.653	0.1038	98.2693	0.46			Tucanae
2803	V* PX Vir	BY Draconis variable	K1V			13	3.8275621	-5	-9.709796	66.653	0.1701	220.4849	-9.21			
2804	L 70-53	PM				13	55.466129	-73	-29.6812	66.667	0.2416	64.4421	1.22			
2805	G 100-49	PM	M4			5	57.310948	17	8.4944732	66.680	0.2074	137.0478				
2806	HD 125455	PM	K1V			14	19.581057	-5	-9.071503	66.680	0.3749	259.2057	-9.84			
2807	LP 348-40	PM	M3.5V			0	11.883887	22	59.076431	66.680	0.1419	150.3123	-45.2			
2808	2MASS J18510178+5935040	Brown dwarf	L9			18	51.029828	59	35.069498	66.694	0.2487	356.1853				
2809	HD 191785	PM	K0V			20	11.101226	16	11.279886	66.694	0.3346	46.1402	-49.43			
2810	GSC 03882-02336	Star	M7:			16	41.864645	55	10.372977	66.708	0.0145	100.1793				
2811	LSPM J1943+4518	low-mass	M5.5			19	43.121461	45	18.155736	66.721	0.1689	335.4145	-2.05			
2812	pi 1 Cnc C	Brown dwarf	L8.5+L7.5			9	12.244833	14	59.66	66.721	0.3365	64.9322				Cancri
2813	UCAC4 233-005997	PM				5	9.7306436	-43	-25.2907	66.721	0.1371	34.4092				
2814	SCR1726-8433 (UCAC4 028-009544)	PM Red & White dwarf stars Subasavage 2004				17	26.382169	-84	-33.13834	66.735	0.2996	136.3525				Octantis
2815	SDSS J091614.94+213950.8	PM	M9V			9	16.2501	21	39.851767	66.749	0.1192	257.8066	56			
2816	2MASS J02271036-1624479	Brown dwarf	L1.5			2	27.172212	-16	-24.7942	66.776	0.3109	124.6969	48.58			
2817	LP 803-32	PM				15	47.856583	-16	-18.90028	66.790	0.2325	219.7267	-38.83			
2818	UCAC4 542-050682	PM	M2.5V			11	32.383428	18	16.372131	66.790	0.0882	294.3483				
2819	G 132-25		M4.5+M5.5			0	45.944632	33	47.185175	66.817	0.1525	272.6401				
2820	G 170-54	PM	M4			17	37.608101	22	5.8361832	66.831	0.1804	174.5125	-19.56			

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
2821	HD 37008	PM	K1V			5	38.197678	51	26.744716	66.831	0.3259	78.9392	-45.9			
2822	LP 211-12	PM	M3V			9	30.027872	39	37.396503	66.844	0.1194	144.4554				
2823	G 197-32	PM	M4V			11	48.788003	53	5.160196	66.858	0.3555	252.5399	15			
2824	HD 118100 (EQ Vir)	Flare	K5Ve		7.83	13	34.720106	-8	-20.52225	66.858	0.1751	252.2261	-22.42			Virginis
2825	RX J0451.0+3127	PM	M3.7V			4	51.023673	31	27.394891	66.858	0.1379	101.5501	27.6			
2826	UCAC4 297-007639	PM				5	43.444286	-30	-41.75556	66.858	0.0935	109.9503				
2827	CE 515	PM				18	46.127396	-32	-50.17699	66.872	0.1498	177.1681				
2828	HD 199981	PM	K6Vk:			21	1.6516757	-32	-31.46869	66.872	0.1599	116.3234	-15.06			
2829	GJ 4246	RotV	M3.0Ve			21	59.3654	41	51.531927	66.886	0.2462	164.9481				
2830	Wolf 832	PM	M2.0V			18	14.997507	19	39.432294	66.899	0.0908	142.3289	19.44			
2831	BD+02 2098	PM	M0V			8	55.127032	1	32.790275	66.913	0.6091	177.5505	0.2			
2832	HD 85488	PM	K5V			9	52.189385	3	13.310417	66.913	0.2477	87.6515	24.18			
2833	LP 740-6	PM				14	23.397426	-14	-55.57945	66.913	0.2053	27.2856				
2834	G 43157	PM	M0V			1	11.61109	12	5.1172224	66.927	0.1704	180.1525	27.92			
2835	NLTT 11329	PM				3	35.887195	10	17.151515	66.927	0.1135	115.5831				
2836	2MASS J17343053-1151388	Brown dwarf	M8.5			17	34.508957	-11	-51.65059	66.954	0.2277	162.1809				
2837	HD 219623	PM	F7V			23	16.705047	53	12.808571	66.954	0.1526	154.5161	-27.05			
2838	LHS 3429	PM	M4.06			19	5.2898623	45	7.256061	66.954	0.3537	178.6362	-48.22			
2839	LHS 2831	PM				13	58.34506	11	0.8296366	66.982	0.3044	157.6585				
2840	LHS 3749	PM	M4.46			22	3.3542542	67	29.997152	66.982	0.3540	119.1326	-82.75			
2841	2MASS J06363696+0619102	PM	M6V			6	36.616102	6	19.171777	66.996	0.2207	1.9494	0			
2842	LSPM J2335+7354	PM				23	35.737633	73	54.217734	66.996	0.1306	15.9913				
2843	HD 23052	PM	G4V			3	42.614382	17	17.611851	67.009	0.0606	75.2472	-4.9			
2844	sigma 2 UMa	B	F6 IV	K2V		9	10.386667	67	8.083333	67.023	0.0534	171.7835	-2.98		0.044	Ursae Majoris
2845	sigma 2 Uma B	PM	K2V			9	10.391164	67	8.106253	67.023	0.0365	197.3764	-4.35			Ursae Majoris
2846	HD 125455B	PM	M4.0V			14	19.597415	-5	-9.138873	67.037	0.3743	259.8006	-9.5			
2847	UCAC4 247-051917	PM				12	4.2587708	-40	-37.87584	67.037	0.3911	151.4318				
2848	2MASS J11172930-3202095	PM				11	17.48843	-32	-2.163841	67.078	0.2613	205.2180				
2849	G 43341	PM	M3.5			4	21.834633	21	19.713899	67.106	0.1498	151.3609				
2850	HD 352860	PM	K6V			20	44.365747	19	44.977587	67.106	0.3231	176.8462	3.8			
2851	2MASS J02252626+6229583	PM				2	25.438431	62	29.967787	67.134	0.1996	131.1472				
2852	Wolf 945	PM	M4V			21	47.874648	50	14.795683	67.148	0.4735	301.5394	-15			
2853	UCAC4 430-119610	PM				22	28.020023	-4	-11.98115	67.161	0.0559	272.6300				
2854	GJ 3224	Flare star Border area with Ceti	M4.5		14.13245363	3	25.704167	5	51.865	67.175	0.1360	228.1221				Tauri
2855	2MASSI J1526140+204341	Brown dwarf	L5			15	26.234167	20	43.691	67.175	0.2363	210.5671				
2856	2MASSI J0544115-243301	Brown dwarf	M7.6V			5	44.19205	-24	-33.04186	67.189	0.4088	164.8683	21			
2857	UCAC4 773-010162	PM				1	34.44786	64	26.840979	67.189	0.0811	86.5581				
2858	HD 870	PM	K0V			0	12.837488	-57	-54.75659	67.217	0.0717	73.4680	1.3			
2859	L 989-38	PM	M2V			17	24.28241	-4	-21.86818	67.217	0.1540	242.3368				
2860	UPM 0102-6235	UCAC4 Nearby Star Candidate Aug 2014	M			1.0454844		-62.592917		67.227	0.0565	113.8488				
2861	HD 285190	PM	M1.5V			5	3.268153	21	23.936961	67.231	0.0988	142.9384				

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
2862	LP 257-28	White dwarf	DC9			8	5.9611801	38	33.744401	67.231	0.4835	228.4897				
2863	BD-13 2439	PM	M0V			8	13.141628	-13	-55.02528	67.245	0.3276	199.2912	13.7			
2864	GJ 140 C	PM	M2.5Ve			3	24.214342	23	46.317674	67.245	0.1357	118.2321	19.16			
2865	L 300-117	PM				3	34.715265	-48	-24.08034	67.245	0.2003	164.3533				
2866	G 256-25	PM	M5.0V			15	49.919271	79	39.860752	67.286	0.1476	61.5994				
2867	UPM 1622-6354	UCAC4 Nearby Star Candidate Aug 2014	M			16.372653		-63.913673		67.294	0.0450	203.7820				
2868	2MASS J19173151+2833147	PM				19	17.525174	28	33.237912	67.300	0.1258	181.3693	15.33			
2869	LHS 2662	PM				13	0.1238539	30	38.944481	67.300	0.2954	40.0427				
2870	TYC 6922-939-1	PM				20	50.132288	-23	-42.82611	67.300	0.0645	131.4627	-13.81			
2871	L 408-123	PM	M1			15	45.693439	-43	-30.47415	67.314	0.2773	214.0743				
2872	LHS 1793	PM				5	52.48589	-55	-6.708235	67.314	0.3912	207.7513				
2873	V* V2213 Oph	BY Draconis variable	F8.5IV-V			17	5.2803105	0	42.153626	67.314	0.1946	182.9183	-16.71			
2874	DENIS J082303.1-491201	Brown dwarf	L2.7V			8	23.052429	-49	-12.0211	67.328	0.0921	85.7245	13			
2875	GJ 3395	Flare	M0.8V			6	31.01927	50	2.8041336	67.342	0.1175	212.8193	8.6			
2876	HD 137778	PM	K1V			15	28.203515	-9	-21.47173	67.342	0.2130	166.9654	7.71			
2877	Ross 727	PM	M2.5			19	9.3315014	-14	-44.9141	67.342	0.2915	159.8274				
2878	CD-36 9107	PM				14	7.4064091	-36	-43.72045	67.370	0.2425	127.6570	28.22			
2879	G 202-68	PM	M0V			16	39.50445	50	34.057305	67.370	0.2991	141.4251	-1.54			
2880	HD 59747	BY Draconis variable	G5V			7	33.009672	37	1.7908438	67.370	0.0294	79.6095	-15.86			
2881	UCAC4 354-155389 (SCR 1847-1922)	PM red / white dwarf stars Subasavage 2005	M			18	47.278313	-19	-22.34678	67.370	0.3646	230.1801				
2882	SIPS 1203-4023	UCAC4 Nearby Star Candidate Aug 2014	M			12.064282		-40.395215		67.395	0.1932	73.0495				
2883	G 66-37	PM	M2.5Ve			14	52.475579	12	23.546654	67.398	0.1372	195.0639	5.02			
2884	CD-34 1770	PM				4	36.425268	-33	-44.79385	67.412	0.1691	288.4727	31.24			
2885	G 64-28	PM	M3.0V			13	55.585318	-7	-23.2779	67.412	0.1603	112.3846	-9.61			
2886	TYC 928-906-1	PM				15	27.752972	7	40.511928	67.412	0.0573	277.3904	-2.73			
2887	UCAC4 515-069565	PM	M2.0Ve			17	54.722127	12	51.344452	67.412	0.0890	211.2732	-31.81			
2888	L 17-50	PM				10	41.939234	-82	-59.38686	67.425	0.2251	270.3306				
2889	2MASS J04430581-3202090	Brown dwarf	L6.4:V			4	43.096984	-32	-2.144931	67.439	0.1132	2.0972				
2890	GJ 261 (L 886-6)	White dwarf	DA7.6		14.75813546	7	1.9139784	-6	-27.7705	67.439	0.5179	184.3455				Monocerotis
2891	G 19268	PM	M3.5V			11	48.591404	7	41.676589	67.453	0.1288	141.9384	-9.8			
2892	LP 798-29	PM				13	44.618186	-19	-54.72586	67.453	0.2441	245.0565				
2893	UPM 1528-5641	UCAC4 Nearby Star Candidate Aug 2014	M			15.479399		-56.698046		67.462	0.0860	159.8479				
2894	LP 831-72	PM	K9Vk:			3	8.4087863	-24	-10.39276	67.467	0.0968	178.3601	17.64			
2895	2MASS J17461199+5034036	Brown dwarf	L5.7V			17	46.199492	50	34.056835	67.481	0.1696	273.8608				
2896	HD 124580	PM	G0V			14	15.644757	-45	-0.045467	67.495	0.1092	137.0797	5.7			
2897	GR* 219	UCAC4 Nearby Star Candidate Aug 2014	M			23.473494		-15.92511		67.496	0.0189	27.2743				Aquarii
2898	UPM 0815+0759	UCAC4 Nearby Star Candidate Aug 2014	M			8.2656856		7.9924539		67.496	0.0257	249.7623				

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
2899	UPM 1532-3521	UCAC4 Nearby Star Candidate Aug 2014	M			15.53782		-35.350882		67.496	0.0664	135.1776				
2900	CD-42 16413	PM	M2.0			23	38.290292	-41	-31.06299	67.523	0.1688	134.3698	13.54			
2901	UCAC4 385-156333	PM	M3			21	7.6131705	-13	-4.969876	67.523	0.0620	144.8551	-2.3			
2902	2MASS J11383010-3455356	PM				11	38.501698	-34	-55.5933	67.537	0.0819	23.3755				
2903	L 38-47	PM				12	22.111911	-78	-38.4569	67.537	0.2501	245.9136				
2904	LHS 1272	PM	M2.5V			1	38.499023	0	39.095351	67.565	0.3164	287.7169	-0.39			
2905	PM 13391-3400	White dwarf	DA9.5			13	42.047951	-34	-15.32411	67.565	1.4962	63.5070				
2906	CD-45 7872	PM	M1.0			12	35.973262	-45	-56.34145	67.579	0.4101	188.2699	28.63			
2907	2MASS J10280776-6327128	White dwarf	DAZ?			10	28.12933	-63	-27.21422	67.593	0.2605	352.4802				
2908	LHS 5394	PM				22	52.801198	-28	-47.71105	67.593	0.2879	236.3834	45.97			
2909	LP 162-47		M6V			7	38.786667	49	25.453333	67.593	0.2886	174.6801	59			
2910	HD 59582	PM	K5			7	31.128527	14	36.848608	67.607	0.1746	165.3533	65.79			
2911	LHS 2629	PM	M6			12	46.157035	7	6.4150981	67.621	0.3248	213.5808				
2912	UPM 2238+0228	UCAC4 Nearby Star Candidate Aug 2014	M			22.640851		2.4680522		67.630	0.0185	112.7028				
2913	LSPM J2204+1505	PM	M5.5			22	4.3587103	15	5.8745205	67.635	0.4733	306.5836				
2914	LP 736-31	PM	M4.0			12	44.516112	-11	-42.24598	67.650	0.1540	231.2866				
2915	LSPM J0343+1958	White dwarf	DA			3	43.385352	19	58.226688	67.678	0.1039	334.9747				
2916	NLTT 30915	PM				12	29.755183	7	52.629873	67.678	0.2598	81.8133				
2917	CD-31 981	PM	M2V			2	27.506043	-30	-54.59249	67.692	0.2644	98.9754	-3.25			
2918	GJ 3327	Flare	M3			5	5.196375	-12	-0.476976	67.692	0.1516	236.0988				
2919	HD 178445	PM	K6.5V			19	10.871143	-47	-9.517443	67.692	0.3704	185.0471	-3.94			
2920	LSPM J0124+6819	PM	M7V			1	24.387246	68	19.520228	67.692	0.3256	131.8473	-10			
2921	GJ 4264	Flare	M3.5			22	13.594891	25	58.174742	67.720	0.1321	130.0192				
2922	NLTT 12899	PM				4	16.712673	13	10.971455	67.720	0.1175	191.5289				
2923	CD-48 1982	PM	K7.0			5	47.303578	-48	-31.50839	67.734	0.1882	175.7934	19.46			
2924	G 47150	PM				1	12.79157	1	54.657827	67.748	0.2621	276.2884	34.29			
2925	L 327-121	PM	M3.5			12	33.551301	-48	-26.18974	67.748	0.1535	68.3678				
2926	SCR J1659-6958	PM				16	59.46878	-69	-58.30543	67.748	0.4063	213.0108				
2927	EGGR 360	White dwarf	DA7.1			13	47.40616	10	21.633526	67.762	0.5291	261.1109	-60.7			
2928	epsilon Ser Nulla Pambu	Ba, Pa[2], component of the delta Ser system; quadruple star; delta Scuti-type variable star	kA2hA5mA7V		2.04	15	50.816096	4	28.664557	67.762	0.0814	295.0593	-9.4			Serpentis
2929	SCR 1637-4703	PM red / white dwarf stars Subasavage 2005	M			16	37.942	-47	-3.758333	67.766	0.5030	215.4000				
2930	OGLE BUL-SC42 133638	PM				18	8.7922504	-26	-32.66269	67.776	0.2970	210.8162				Sagittarii
2931	UCAC3 190-6111	PM	M3.5V			2	2.8680406	4	47.040376	67.776	0.0879	211.0738	-9.07			
2932	HD 203244	PM	G5V			21	24.675368	-68	-13.67546	67.790	0.1526	316.3232	11.5			
2933	LHS 3925	PM	M3			23	17.838708	-48	-18.789	67.804	0.4440	157.4081				
2934	LP 584-4	PM	M6.5e			0	2.1036257	1	15.602367	67.804	0.2719	277.5488				
2935	HD 270712		M1.5+M1Ve			4	44.182817	-70	-19.4056	67.818	0.0803	240.8287	14.31			

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
2936	LP 57-41	PM	M3.5Ve			6	0.8236833	68	9.397	67.818	0.6876	159.0808				
2937	BD+00 5017		K7V			23	35.004616	1	36.323897	67.833	0.1984	274.7977	-10.44			
2938	LSPM J0422+1031	PM	M3.5Ve			4	22.53313	10	31.313292	67.833	0.1439	277.5668	36.22			
2939	SCR 2216-4800	UCAC4 Nearby Star Candidate Aug 2014	M			22.277961		-48.010102		67.865	0.0844	356.2857				
2940	L 379-17	PM				5	53.668529	-42	-41.72728	67.875	0.2396	180.7041				
2941	NLTT 36959	PM	M5.0V			14	19.493052	2	54.607888	67.875	0.1431	232.5736	7.54			
2942	NLTT 53354	PM	M7V			22	15.914833	23	21.043333	67.875	0.1293	210.2564	9			
2943	SSSPM J2307-5009	Brown dwarf	M9e			23	6.9794778	-50	-8.982343	67.875	0.2693	272.7445				
2944	2MASS J04322986-4819166	PM				4	32.497967	-48	-19.27647	67.903	0.2145	315.8531				
2945	G 187-14	PM	M4V			21	1.343897	33	14.466417	67.917	0.1940	112.5810	-35			
2946	HD 155712	PM	K2.5V			17	12.627042	18	21.071684	67.917	0.0902	138.9510	19.57			
2947	40 Leo	PulsVdelSct	F6IV-V			10	19.736122	19	28.255009	67.932	0.1834	227.0228	5.9			Leonis
2948	LP 895-17	PM				6	34.310336	-31	-52.38201	67.932	0.2282	202.4237	16.84			
2949	UPM 0332+6058	UCAC4 Nearby Star Candidate Aug 2014	M			3.5478086		60.981862		67.932	0.0174	343.8702				
2950	G 36-29	White dwarf	DA			2	39.32811	26	9.9576332	67.946	0.2098	118.7006				
2951	LHS 6428	PM				23	46.463131	74	34.16654	67.960	0.2838	154.8908				
2952	QW Pup	RotValf2CVn	F3VFe-1.0		2.86	7	12.560426	-46	-45.55825	67.960	0.1008	51.7299	0.1			Puppis
2953	G 14-1	PM	M3			12	47.162973	-3	-34.29554	67.974	0.2956	268.4432				
2954	L 117-123	PM	M1.5V			21	20.163333	-67	-39.09386	67.974	0.2545	78.5919	49.42			
2955	LHS 1500	PM	M5			3	8.4235228	-38	-12.71761	67.974	0.2952	281.4790				
2956	G 48-15	PM				9	25.595033	-1	-55.79242	67.988	0.3012	138.5897	-31.76			
2957	LHS 120	PM	M4			0	43.593242	28	26.690665	68.017	0.6235	186.8112				
2958	NLTT 53770	PM				22	24.706386	22	30.710931	68.017	0.1195	245.2273				
2959	GJ 333 (LHS 2085)		M1.5		11.5006569	8	59.527889	-47	-26.15339	68.022	0.4804	35.1388	22			Velorum
2960	71 Ori	PM	F5.5IV-V			6	14.847925	19	9.386844	68.031	0.1201	207.9479	34.42			Orionis
2961	LP 817-54	PM	M5			21	29.389807	-18	-55.13072	68.045	0.1106	191.5348				
2962	HD 38230	PM	K0V			5	46.031428	37	17.078955	68.074	0.4101	136.3561	-29.13			
2963	17 Cyg	PM	F5.5IV-V			19	46.426663	33	43.655712	68.088	0.2617	177.0378	4.18			Cygni
2964	HD 184385	PM	G8V			19	33.425877	21	50.419569	68.088	0.1203	185.9505	11.48			
2965	HD 197076	PM	G5V			20	40.752346	19	56.132142	68.088	0.1944	339.1988	-35.39			
2966	LP 397-10	PM	M6Ve			21	16.105092	22	38.773849	68.102	0.1097	339.0164				
2967	HD 117043 (HIP 65530)	PM	G6V			13	25.997646	63	15.676563	68.116	0.2620	60.6303	-30.93			Ursae Majoris
2968	UCAC4 568-054774	PM	M5.0V			16	4.22033	23	31.642525	68.116	0.0943	83.5743	-18.43			
2969	18 Pup B	PM	M2.5V			8	10.571567	-13	-48.85219	68.145	0.1493	76.0990	32.52			Puppis
2970	HD 189484 (Gleise 773.6) (LHS 3500)	PM	K4V		8.300698534	20	2.585987	-50	-3.162069	68.145	0.3049	135.8438	21.04		0.042	Telescopii
2971	2MASSW J1632588-063148	Brown dwarf	M7			16	32.98028	-6	-31.8067	68.159	0.2021	177.0617				
2972	EGGR 283	White dwarf	DA8.1			22	51.3805	29	39.733333	68.159	0.7316	276.2547				
2973	GJ 4038 (G 183-13)		M3V		11.46629174	17	57.05949	15	46.715633	68.159	0.1697	215.7501	-42			Herculis
2974	NLTT 12648		M6V			4	9.3711667	5	46.448333	68.159	0.1483	116.5651	41			
2975	NLTT 13758	PM				4	43.715723	64	48.513866	68.159	0.2393	321.1330				

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
2976	V* TX PsA	Flare	M5IVe			22	45.001066	-33	-15.43494	68.159	0.1246	124.2668	2.03			
2977	UPM 0030-6550	UCAC4 Nearby Star Candidate Aug 2014	M			0.5160717		-65.835024		68.167	0.0565	121.8240				
2978	UPM 1548+6036	UCAC4 Nearby Star Candidate Aug 2014	M			15.812214		60.602683		68.167	0.0455	153.1398				
2979	BD-09 4394	PM	M1V:			16	27.553769	-10	-0.474101	68.173	0.2237	212.4202	19.69			
2980	V* MY Aps	pulsWhite dwarf	DA4.1			14	33.127262	-81	-20.23545	68.173	0.2441	201.6336	58			
2981	HD 332518	PM	K5V			19	45.593417	30	0.613074	68.188	0.0715	214.8172	-0.33			
2982	Wolf 953	PM	M1V			21	57.437236	8	8.2320659	68.188	0.2251	285.0026	-26.87			
2983	HD 5633	PM	K6.5Vk:			0	57.329107	-62	-14.73581	68.202	0.6022	277.1142	6.54			
2984	L 173-39	PM				1	48.436312	-56	-58.69097	68.202	0.1525	94.8415	21.59			
2985	EGGR 506	White dwarf	DA8.5			23	49.917127	29	34.067059	68.245	0.2935	186.2512				
2986	HD 80768	PM	K7V			9	26.885489	75	56.055692	68.245	0.2087	254.5842	-6.68			
2987	TYC 2702-582-1	Star				21	14.735412	31	34.591803	68.259	0.0122	149.0386	2.54			
2988	UCAC4 784-022124	PM	M5.0V			11	47.476074	66	44.043958	68.259	0.0626	89.9771				
2989	UPM 1727-6016	UCAC4 Nearby Star Candidate Aug 2014	M			17.451917		-60.268778		68.268	0.0647	226.8946				
2990	L 1545-48	PM	M2.5Ve			10	38.553982	35	29.823403	68.273	0.3001	58.8471	66.31			
2991	LSPM J1919+4127	Eruptive	M5.5			19	19.684614	41	27.813176	68.273	0.1180	156.9328				
2992	GJ 4110	Flare	M3.5V			19	26.822975	16	43.026153	68.288	0.1223	170.4298	-32.44			
2993	HD 33564	PM	F6V			5	22.558817	79	13.869044	68.302	0.1048	25.8043	-11.03			
2994	L 189-2		M2V:			9	49.463069	-55	-20.14159	68.302	0.1442	124.3049				
2995	LP 717-36		M3.5V			5	25.694483	-9	-9.209333	68.302	0.1120	168.2463	25.7			
2996	UCAC3 65-9928	PM				4	32.962773	-57	-41.76663	68.302	0.0452	290.1594				
2997	Wolf 1201	PM	M4V			22	26.262667	3	0.3033333	68.302	0.3911	227.1702	-1			
2998	G 40-9	PM	M2.0Ve			8	9.5159042	21	54.287331	68.316	0.1898	258.3136	16.1			
2999	LHS 2027	PM	M4.5			8	33.418746	18	31.754047	68.316	0.3775	185.0903				
3000	CD-33 8748	PM	Mp			13	0.4299794	-34	-36.40459	68.331	0.0574	36.7128	10.97			
3001	NLTT 1853	PM				0	34.631397	40	50.035458	68.345	0.1202	170.7518				
3002	17 Cyg B	PM	K6V:			19	46.459114	33	43.814749	68.359	0.2603	177.5661	5.07			Cygni
3003	L 283-3	PM	M1.5			22	3.4521756	-50	-38.63772	68.359	0.3474	144.4574	-9.89			
3004	BD+27 1739	PM	K5			9	18.358703	27	18.693976	68.374	0.1528	231.1402	6.62			
3005	UCAC4 535-001220	PM	M3.0V			0	38.064371	16	56.046958	68.374	0.0827	227.4076				
3006	LP 703-42	PM	M4.5V			23	41.654921	-6	-35.84088	68.388	0.1772	107.4860				
3007	G 216-7B	PM	M9.5			22	37.542518	39	22.655608	68.431	0.2046	185.2636	-61.2			
3008	UCAC4 539-047176	PM	M4.0V			9	2.3843015	17	46.543418	68.431	0.0824	250.2916	92.69			
3009	GSC 08626-01643	UCAC4 Nearby Star Candidate Aug 2014	M			10.873179		-58.687372		68.436	0.0784	81.8999				Volantis
3010	UPM 2326-1504	UCAC4 Nearby Star Candidate Aug 2014	M			23.444832		-15.075335		68.436	0.0516	203.5887				
3011	2MASS J05104796+2410125	PM				5	10.799292	24	10.201159	68.460	0.1247	187.3087	31.07			
3012	HD 24238	PM	K2V			3	55.064037	61	10.008436	68.460	0.2921	119.2859	38.81			
3013	LHS 2400	PM	M5V			11	22.709143	-32	-5.672949	68.460	0.3532	174.6045				

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
3014	NLTT 14474	PM				5	6.4148428	52	47.314665	68.460	0.2312	176.4055				
3015	G 88-19	PM	M2.5			7	17.498893	19	34.277565	68.489	0.2429	230.5735	0.73			
3016	GJ 586 C	PM	M4.5V			15	27.750978	-9	-1.537189	68.489	0.1798	175.3047				
3017	BD+21 1949	PM	M0			8	58.636328	20	32.80504	68.517	0.3940	104.7214	-50.41			
3018	LP 463-104	PM				10	1.3968473	-38	-50.40879	68.517	0.1530	141.9923	9.21			
3019	BD-12 662	PM	M0V			3	29.329865	-11	-40.70208	68.532	0.1799	169.8617	13.06			
3020	LHS 1505	PM	M0V			3	9.0746361	76	2.4697506	68.532	0.3053	158.2115	31.14			
3021	kappa Tuc	B C D (two pairs)	F6 IV	K1V		1	15.768333	-68	-52.56667	68.546	0.2510	287.2216	7.7		0.044	Tucanae
3022	kappa Tuc B	PM	K1V			1	15.759565	-68	-52.49202	68.546	0.2298	282.0391	7.91		0.044	Tucanae
3023	LP 460-56	PM	M2.5Ve			22	42.645908	17	40.154185	68.561	0.7098	294.9985	-12.3			
3024	2MASS J13595510-4034582	Brown dwarf	L3.1:V			13	59.918564	-40	-34.97526	68.575	0.2957	177.0015				
3025	BD+71 8595	PM	M0.5Ve			19	39.547808	71	52.319324	68.575	0.2807	203.2179	-34.87			
3026	HD 218572	PM	K3+Vk:			23	10.342828	-68	-50.33375	68.575	0.1898	348.1737	5.27			
3027	L 691-21	PM	M4.0V			13	50.396122	-21	-37.33111	68.575	0.2197	185.0892	40.75			
3028	2MASS J05574866+0048025	PM				5	57.811028	0	48.041471	68.589	0.2201	208.3086				
3029	HD 6660		K4+M3			1	7.6312077	22	57.298605	68.589	0.2917	168.5054	5.86			
3030	2MASS J05251524+2102394	PM				5	25.254595	21	2.6596481	68.604	0.1452	281.7607				
3031	HD 9407	PM	G6.5V			1	34.554406	68	56.888135	68.604	0.2300	73.1286	-33.21			
3032	L 691-20	PM	M3			13	50.73337	-21	-41.44971	68.604	0.2205	185.4345				
3033	L 714-46	PM	M4V			21	28.304682	-22	-18.5394	68.604	0.1942	218.8975				
3034	UPM 1533-3917	UCAC4 Nearby Star Candidate Aug 2014	M			15.561258		-39.296334		68.604	0.0471	215.2414				
3035	BD+33 99	PM	K5-V			0	43.547639	33	50.673619	68.618	0.2404	209.7574	-36.4			
3036	LHS 3991	PM	M3.5			23	38.695906	39	9.4340571	68.618	0.3301	205.8118	29.78			
3037	G 202-16	PM	M2.0Ve			15	49.604462	51	2.9543026	68.633	0.2798	52.0169	-56.54			
3038	BD-20 6558	PM	M0.5Vk			23	14.277141	-19	-38.65691	68.647	0.2587	277.3446	1.1			
3039	G 92-55	PM	M3			20	7.9591304	-1	-32.46619	68.662	0.2359	122.8870				
3040	HD 114783 (HIP 64457)	1g+ planet	K1V		6.02	13	12.72976	-2	-15.90217	68.662	0.0807	85.7735	-12.11	1g	0.2	Virginis
3041	UCAC3 271-70054	PM				4	58.303876	45	26.810672	68.662	0.0679	183.0437				
3042	UPM 1802+2107	UCAC4 Nearby Star Candidate Aug 2014	M			18.034457		21.121326		68.671	0.0231	305.5712				
3043	2MASS J17114559+4028578	Brown dwarf	L5			17	11.760386	40	28.964233	68.676	0.1533	287.5725				
3044	Wolf 351	PM	M4			10	11.73245	35	18.735638	68.676	0.1637	152.9251				
3045	UCAC3 268-7511	PM	M2.5Ve			0	42.797027	43	49.413652	68.691	0.0323	205.9533				
3046	UPM 1509-1332	UCAC4 Nearby Star Candidate Aug 2014	M			15.160889		-13.536689		68.705	0.0410	222.4705				
3047	2MASS J12321772-6856005	Brown dwarf	M8			12	32.295775	-68	-56.01162	68.705	0.1385	245.1539				
3048	LHS 4025	PM				23	50.877144	-39	-5.288365	68.705	0.4832	105.4347				
3049	2MASSI J0443376+000205	low-mass	M9.0V			4	43.626813	0	2.0851537	68.720	0.0931	146.2106	16.97			
3050	LSPM J1841+2421	PM	M6V			18	41.798628	24	21.994915	68.720	0.4423	188.8443	30			
3051	LTT 9387B	White dwarf				23	10.380904	-68	-50.39934	68.720	0.1905	348.5188				
3052	GJ 3775 (G 62-28)		M3.5V		12.13254456	13	18.030167	2	14.018333	68.734	0.2149	260.1807	38.415			Virginis
3053	HD 72760	PM	K0V			8	34.52753	0	43.563807	68.734	0.1143	84.6814	34.99			

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
3054	LHS 3459	PM	M4.5V			19	22.681871	29	26.026748	68.734	0.4246	177.2765				
3055	HD 10086	PM	G5V			1	39.600298	45	52.666441	68.749	0.1832	136.3540	2.19			
3056	UCAC4 843-011336	PM	M2.5Ve			12	5.7846514	78	25.85437	68.749	0.1192	84.7714				
3057	GJ 3256	PM	M3		10.35037401	3	54.427016	-9	-9.515696	68.753	0.0851	40.7287	2.31			Eridani
3058	GJ 1074	RotV	M1.0Ve			4	58.766511	50	56.62943	68.763	0.3525	123.7661	16.43			
3059	UCAC2 11922268	PM				6	24.065693	-46	-5.26557	68.763	0.0638	1.3352	0.99			
3060	BD-11 192	PM	M0V			1	2.3522387	-10	-25.43157	68.778	0.1040	171.6477	9.35			
3061	2MASS J21300712-7710377	PM Red & White dwarf stars Subasavage 2004				21	30.116619	-77	-10.622	68.792	0.3369	118.1189				Octantis
3062	UCAC4 169-058750	PM				11	11.783918	-56	-20.38627	68.807	0.1802	197.4455	29.93			
3063	HD 183783	PM	K4+V			19	32.504495	-35	-27.10351	68.821	0.1912	61.0516	53.7			
3064	LHS 3031	PM				15	10.200261	46	24.10678	68.821	0.3246	135.2900				
3065	2MASSW J1338261+414034	Brown dwarf	L2.5V			13	38.435533	41	40.558991	68.836	0.2051	206.3559				
3066	LHS 103	PM	M3.5			0	7.4451398	29	14.545984	68.836	1.1023	126.8802				
3067	UCAC4 035-014286	PM				22	8.6453623	-83	-3.473939	68.850	0.1720	270.1837	-0.03			
3068	G 180-21	PM	M3			16	0.8464849	40	19.725511	68.865	0.2390	223.0867				
3069	GJ 4381	Flare	M2.8V			23	57.831591	38	37.778914	68.865	0.1238	226.9727	-3.8			
3070	LHS 2116	PM	M:			9	13.124119	-31	-47.08886	68.865	0.3481	65.5810				
3071	UCAC3 106-18717	PM				6	3.2051903	-37	-22.71126	68.865	0.0644	167.9486				
3072	2MASS J12095613-1004008	Brown dwarf	T2+T7.5			12	9.9355167	-10	-4.0135	68.879	0.2598	142.9993				
3073	HD 6101		K2V			1	2.4095455	5	3.6869	68.879	0.2368	302.9978	22.17			
3074	HD 90343	PM	K0			10	35.187826	84	23.959311	68.879	0.0302	337.6829	9.68			
3075	LP 201-108	PM	M4.6V			4	45.094022	43	24.566208	68.879	0.4278	148.4958	62.9			
3076	LP 218-8	low-mass	M7.0V			12	53.2067	40	34.064	68.879	0.3966	160.6588	4.3			
3077	BD+11 2874	SB	K5V			15	52.137299	10	52.468173	68.894	0.2088	227.8497	-1.52			
3078	LSPM J2350+0806	PM				23	50.659261	8	6.3944036	68.894	0.2738	307.4094				
3079	16 A	Trinary system	G1.5Vb	G3V, M		19	41.815899	50	31.503646	68.909	0.1265	223.0126	-27.61			Cygni
3080	16 B	Trinary system with planet	G3V			19	41.86622	50	31.051435	68.909	0.1228	219.6763	-27.73	1g	0.3	Cygni
3081	G 156-46	PM	M4.0			22	45.10111	-12	-23.72135	68.938	0.1125	316.4099	-15.26			
3082	UPM 1237-8433	UCAC4 Nearby Star Candidate Aug 2014	M			12.621873		-84.563587		68.940	0.0714	268.6927				
3083	HD 66020	PM	K(5)V			8	0.0358024	-40	-2.36501	68.952	0.4845	144.4549	7.29			
3084	WISE J061135.13-041024.0	Brown dwarf	L9+T1.5			6	11.5855	-4	-10.4	68.952	0.1695	163.3081				
3085	2MASS J08123170-2444423	Brown dwarf	L0.9V			8	12.528605	-24	-44.70788	68.967	0.1137	136.1064	-3			
3086	UCAC4 544-071669	PM	M3.5V			18	25.299648	18	39.151757	69.011	0.0727	246.9408	10.08			
3087	UCAC4 576-011924	PM	M3.5V			4	39.816247	25	9.4360147	69.011	0.0616	242.0774	14.28			
3088	G 159-9	PM	M6V			1	53.512575	1	47.930792	69.025	0.2459	276.1195	12			
3089	NLTT 15320	PM	M3.5V			5	39.423353	74	46.08269	69.055	0.0859	176.1515				
3090	Wolf 368	PM				11	13.024376	12	54.66112	69.055	0.3362	118.3462				
3091	2MASS J18533112+2022357	PM				18	53.518761	20	22.595359	69.084	0.1655	186.3638				
3092	51 Ari	PM	G8V			3	2.4337714	26	36.554337	69.084	0.1673	125.8493	9.93			Arietis
3093	BD+10 4534	PM	K7.5Ve			21	22.443346	10	52.425768	69.084	0.0382	59.9228	8.14			
3094	BD+48 2138C	Flare	M4			13	37.674025	48	7.9024621	69.084	0.1500	238.0296				

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
3095	L 174-34	PM	M2.5			2	18.298793	-55	-7.542357	69.084	0.2785	291.6244	12.47			
3096	2MASS J17565620-4805096	Brown dwarf	L0			17	56.9368	-48	-5.160487	69.099	0.0481	291.1692				
3097	G 13-44B	PM	M3.5:			12	29.910816	-5	-27.34189	69.099	0.3060	242.6068				
3098	LP 167-17	low-mass	M5.5V			10	13.349219	46	47.43047	69.099	0.1550	252.1043	-26			
3099	2MASS J00505198-4604228	PM				0	50.866575	-46	-4.380395	69.128	0.3045	275.3607				
3100	HD 16270	PM	K3.5Vk:			2	36.012928	-23	-31.27944	69.128	0.0492	279.5579	16.39			
3101	UCAC3 160-137398	PM	M2.5V			15	55.241166	-10	-10.38408	69.128	0.0756	353.4094	235.96			
3102	2MASS J04570322+3331584	PM				4	57.053642	33	31.963789	69.143	0.2009	194.1005				
3103	2MASS J08344190+4529069	PM				8	34.698618	45	29.112436	69.143	0.0897	291.6441				
3104	G 13-44A	PM	M3.5			12	29.903061	-5	-27.40596	69.143	0.4093	242.3059				
3105	G 203-50	PM	M4.5Ve			17	11.768073	40	29.025437	69.143	0.1545	288.0359				
3106	LEHPM 5263	PM				22	53.848843	-71	-28.11774	69.143	0.1763	121.7622				
3107	Ross 142	PM	M0.5Ve			18	50.013841	3	5.2865563	69.157	0.2607	204.3839	1.5			
3108	UCAC4 279-007718	PM	M			5	47.836851	-34	-19.22992	69.157	0.1140	287.4898	11.6			
3109	2MASS J02284355-6325052	Brown dwarf	L0.5			2	28.724513	-63	-25.09326	69.172	0.4417	304.9998				
3110	BD-20 6558B	PM	M4			23	14.274349	-19	-38.77101	69.172	0.2626	277.1201	3.76			
3111	G 81-34	PM	M4.0V			4	49.491183	48	28.7655	69.172	0.1544	137.2906	25.2			
3112	lambda Ara	subgiant	F4 V		5.17	17	40.397092	-49	-24.93507	69.172	0.1187	149.4186	4.54			Arae
3113	LP 488-37	PM	M4			9	47.580152	12	56.652086	69.172	0.1414	21.1748				
3114	UCAC3 87-149671	PM				12	41.054347	-46	-55.39059	69.172	0.1443	257.9303	-2.68			
3115	UCAC4 157-129704	PM				14	29.303198	-58	-45.98509	69.172	0.1104	52.6188				
3116	LSPM J0528+0258S	PM				5	28.243843	2	58.163331	69.187	0.6795	196.9606				
3117	UPM 1044-4332	UCAC4 Nearby Star Candidate Aug 2014	M			10.74098		-43.547237		69.208	0.0497	146.9424				
3118	BD+54 1862	PM	K8			17	10.205925	54	29.408495	69.216	0.0783	140.1162	1.75			
3119	2MASS J20274952-4301148	PM				20	27.825601	-43	-1.253547	69.231	0.4796	165.3663				
3120	BPM 14175	PM	M0.0			21	37.92772	-63	-42.71553	69.231	0.1168	240.4031				
3121	HD 93380	PM	K5Vk:			10	46.615032	-24	-35.12891	69.231	0.1044	232.1044	-11.98			
3122	LHS 2074	PM				8	56.506857	43	36.053779	69.231	0.4540	117.9703				
3123	UPM 1646-5250	UCAC4 Nearby Star Candidate Aug 2014	M			16.773401		-52.845064		69.242	0.0418	311.1033				
3124	13 Cet		F7V+G4V			0	35.247995	-3	-35.57061	69.245	0.2338	95.0277	10.37			Ceti
3125	HD 155674	PM	K0			17	10.175126	54	29.662599	69.245	0.0801	143.4797	2.95			
3126	UCAC4 096-002487	PM				1	48.432608	-70	-58.48155	69.245	0.2967	101.0000	26.38			
3127	UCAC4 755-046981	PM				13	35.668686	60	51.765492	69.245	0.0893	321.5319				
3128	LP 211-22	PM	M4			9	37.058847	40	34.648559	69.260	0.1102	245.6450	38.69			
3129	GR* 422	UCAC4 Nearby Star Candidate Aug 2014	M			23.510578		-33.307502		69.276	0.0705	250.6675				Piscis Austrini
3130	UPM 1612-4556	UCAC4 Nearby Star Candidate Aug 2014	M			16.201432		-45.940081		69.276	0.0618	201.7113				
3131	HD 93380B	PM	M4			10	46.554562	-24	-35.1879	69.319	0.1034	230.6945	-15			
3132	Ross 1044	PM	M2V			15	3.4096667	3	46.958333	69.319	0.6672	51.3012	-174			
3133	Wolf 1471	PM	M3			17	42.179282	-8	-49.00316	69.334	0.5610	240.5618	-85.68			

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
3134	UPM 0532-0301	UCAC4 Nearby Star Candidate Aug 2014	M			5.5349896		-3.0211364		69.343	0.0168	161.4397				
3135	2MASSI J2242531+254257	Brown dwarf	L3			22	42.886909	25	42.954481	69.349	0.2247	99.8719				
3136	EGGR 482	White dwarf	DC9			4	26.344957	4	32.510384	69.349	0.4956	132.0230				
3137	HD 199260	PM	F6V			20	56.788839	-26	-17.78282	69.349	0.0670	124.3513	-15.91			
3138	DENIS J145601.3-274736	PM	M9V			14	56.023104	-27	-47.61197	69.363	0.4390	206.2369				
3139	V* V2578 Oph	BY Draconis variable	K2V			16	24.330183	-13	-38.49967	69.363	0.1750	226.6682	7.43			
3140	AK Pic	BY Draconis variable	G1/G2V		4.47	6	38.006096	-61	-32.00324	69.378	0.0506	33.3359	32.1			Pictoris
3141	LHS 2599	PM	M6V			12	39.778867	4	10.792905	69.378	0.3984	225.2571	7			
3142	Wolf 1360	RotV	M2.5V			20	43.575357	24	7.6808829	69.378	0.0876	105.5648	-16.91			
3143	Wolf 1131	PM	M4.03			20	5.7373598	52	58.300406	69.393	0.1616	314.6510	-48.71			
3144	9 Cet	BY Draconis variable	G2.5V			0	22.863139	-12	-12.56621	69.423	0.2322	278.7976	-2.53			Ceti
3145	HD 189340	SB	F9V			19	59.788005	-9	-57.49391	69.423	0.2746	210.9514	29.95			
3146	2MASS J12094695-3213217	PM				12	9.7826135	-32	-13.36209	69.437	0.1116	89.4075				
3147	50 Per	RSCVn	F7V			4	8.6102803	38	2.3842639	69.437	0.1514	140.6992	26.35			Persei
3148	HD 95174A	PM	K4V			10	59.638541	25	26.25806	69.452	0.1070	253.9273	-3.04			
3149	HD 95174B	PM	K5			10	59.644649	25	26.228594	69.452	0.1191	247.1398	-3.5			
3150	L 260-120	PM				14	18.424612	-55	-28.62145	69.452	0.1808	249.4630				
3151	2MASS J16302295+0818221	Brown dwarf	T5.5			16	30.382667	8	18.37	69.467	0.0729	217.0528				
3152	2MASSI J0103320+193536	Brown dwarf	L6V			1	3.534	19	35.603333	69.467	0.1786	276.5463				
3153	G 80-14	PM				3	39.177827	8	0.0718789	69.467	0.2875	155.5549				
3154	LHS 2521	PM	M:			12	10.193015	-31	-58.39229	69.482	0.3525	260.0004				
3155	LP 551-63	PM	M6.5V			11	6.3162394	4	28.544446	69.482	0.2970	43.1926				
3156	LHS 2261	PM				10	25.483827	-49	-54.42885	69.497	0.3461	74.7344	-6.06			
3157	Wolf 1132	PM	M1.5			2	43.886933	-8	-49.76232	69.497	0.5663	140.7735	-9.31			
3158	NLTT 3583	PM	M4.5V			1	6.9111984	80	27.574029	69.511	0.1213	96.9459				
3159	2MASS J17171408+6526221	Brown dwarf	L6.2V			17	17.234283	65	26.370745	69.526	0.1136	126.2129				
3160	G 117-34	PM	M1.5Ve			9	39.404804	31	45.283095	69.526	0.1658	223.0741	-2.54			
3161	LP 600-43	PM	MV			6	30.646742	-2	-5.898927	69.541	0.1158	215.7657				
3162	TYC 454-792-1	Star				18	34.579425	3	55.073202	69.541	0.0173	88.1125				
3163	UCAC4 420-002082	PM	M3.5			1	43.752412	-6	-2.670028	69.541	0.0342	117.3823	11.11			
3164	2MASS J01435333+0014323	PM				1	43.889251	0	14.54483	69.556	0.0942	174.7197				
3165	BD+36 2322	BY Draconis variable	M0V+M4/5V			12	57.67019	35	13.501161	69.556	0.1615	240.6867	-3.65			
3166	HD 175742	RSCVn	K0V			18	55.887086	23	33.39882	69.556	0.1816	155.2124	10.31			
3167	HD 178428	SB	G4.5V			19	7.9553374	16	51.203093	69.556	0.1808	167.8686	14.36			Sagittae
3168	GJ 4276 (G 232-70)		M3.5Ve		12.04037401	22	25.28444	59	24.830286	69.556	0.1939	158.4649	28.977			
3169	G 64-63	PM	M2.5			14	17.984204	0	31.490588	69.571	0.2281	225.4314				
3170	LP 714-58		M1.5+V			4	16.695533	-12	-33.38917	69.586	0.1296	20.1752	48			
3171	G 100-19	PM				5	34.119487	22	39.617967	69.601	0.2063	336.2852				
3172	G 183-5	PM	M3.5V			17	50.252202	23	45.848854	69.601	0.3280	37.1217	-102.59			
3173	UPM 0929-4835	UCAC4 Nearby Star Candidate Aug 2014	M			9.4965237		-48.599531		69.611	0.0497	44.7630				
3174	LHS 3443	PM	M2			19	13.132759	-39	-1.898664	69.615	0.2955	118.8701				

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
3175	UCAC4 093-020216	PM				9	52.327874	-71	-32.94861	69.615	0.2199	271.1307				
3176	BD+19 451	PM	K5			3	3.817665	20	6.6520782	69.630	0.0420	154.0164	45.04			
3177	G 144-63	PM	M2.5V			21	5.3701543	20	51.568236	69.630	0.1664	107.8604	56.09			
3178	2MASS J08053189+4812330	Brown dwarf	L4+T5			8	5.5307777	48	12.548355	69.645	0.2691	82.9606				
3179	L 108-87	PM	M4			15	30.867502	-68	-1.296544	69.645	0.1071	270.8300				
3180	LAWD 42	White dwarf	DC/DQ			12	44.878241	-80	-9.465183	69.645	0.3129	48.7172				
3181	GJ 3131 (BD-21 368)	PM	M2		10.64245363	2	3.3457441	-21	-13.72278	69.675	0.2746	204.6339				Ceti
3182	LHS 3378	PM	M3			18	19.284544	-77	-2.829317	69.675	0.3595	201.3167				
3183	2MASSI J2347367+270206	PM	M9			23	47.614162	27	2.1152392	69.690	0.1836	272.7619				
3184	UPM 0248+0537	UCAC4 Nearby Star Candidate Aug 2014	M			2.804668		5.6183158		69.712	0.0520	124.2772				
3185	UCAC2 25076023	PM				10	9.61112	-17	-48.41414	69.720	0.0498	272.7654	-11.26			
3186	V* BF Ari	Brown dwarf	T0.0			1	51.701533	12	44.488333	69.720	0.4322	92.8547				
3187	UPM 1217-3644	UCAC4 Nearby Star Candidate Aug 2014	M			12.296516		-36.747238		69.746	0.0681	121.4760				
3188	2MASS J13324830+4240274	PM				13	32.804965	42	40.460324	69.750	0.1193	18.9884				
3189	LP 600-42	White dwarf	DA7.3			6	30.643329	-2	-5.841446	69.750	0.1198	213.3448	-14.9			
3190	UCAC3 174-124984	PM				11	37.276748	-3	-17.61108	69.750	0.6408	227.3209				
3191	2MASS J14460061+0024519	Brown dwarf	L4.2V			14	46.010333	0	24.866667	69.764	0.1317	116.3274				
3192	G 54-26	PM	M3V			10	25.505212	26	23.294936	69.764	0.3441	213.0315	21			
3193	TYC 2034-1320-1	PM				15	58.864249	23	8.7853486	69.764	0.0355	34.3402	-39.39			
3194	TYC 6063-980-1	PM				10	9.6046404	-17	-50.46447	69.764	0.0453	273.0167	-10.48			
3195	HD 220182	BY Draconis variable	G9V			23	21.608566	44	5.8729678	69.779	0.3905	288.9998	3.31			
3196	TYC 5798-781-1	PM				21	29.058111	-14	-6.472231	69.779	0.0469	9.0332	11.64			
3197	2MASSI J2037071-113756	PM	M8			20	37.119278	-11	-37.95584	69.794	0.2205	180.3695	-38			
3198	G 225-72	PM	M3.5V			16	45.917526	60	57.068268	69.794	0.1681	175.5556				
3199	Wolf 1501	PM	M3.0			14	41.984969	-16	-53.21967	69.794	0.1751	214.6070				
3200	UCAC3 105-11650	PM				4	44.836501	-37	-49.68292	69.824	0.1360	106.3912				
3201	LHS 2039	PM	M:			8	41.129971	36	11.522687	69.839	0.4199	171.4807				
3202	TYC 3218-905-1	PM	M1.0Ve			22	44.104366	40	30.002576	69.839	0.0854	210.8350	11.93			
3203	G 140-36	PM	M3.5V			18	5.4854396	1	32.599121	69.854	0.1586	263.2111	-39.35			
3204	WT 2090	PM	M4.5			14	41.980917	-16	-49.01218	69.854	0.1722	210.8974				
3205	EGGR 524	White dwarf	DA7.6			5	14.058396	8	0.2520665	69.869	0.2194	215.9561				
3206	HD 76932	PM	G2VFe-1.8CH-1			8	58.732214	-16	-7.963423	69.869	0.1880	311.1612	119.4			Hydrae
3207	LHS 412	PM	M4.5			16	8.2493794	-10	-26.23786	69.899	0.7873	195.7963				
3208	TYC 3218-907-1	PM	M1.0Ve			22	44.07677	40	30.004294	69.899	0.0774	212.3409	10.62			
3209	LTT 5105	UCAC4 Nearby Star Candidate Aug 2014	M			13.3053		-46.791783		69.914	0.0491	110.9058				
3210	EGGR 565	White dwarf	DA7.4			2	46.513356	-2	-27.391	69.914	0.3132	155.6011				
3211	UCAC4 188-189981	PM				17	57.377198	-52	-29.11297	69.914	0.1465	157.6589				
3212	2MASS J21374917-0757145	Star	M3.5			21	37.819811	-7	-57.24407	69.929	0.0117	105.1066				
3213	CPD-88 203	PM	M0			23	26.743557	-87	-25.10317	69.929	0.0370	100.5621	23.76			Octantis
3214	GJ 4218	Flare	M3.5			21	45.738669	20	46.794108	69.929	0.1495	96.8955				

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
3215	LP 138-20	PM	M2.5V			17	1.1921981	55	35.004184	69.929	0.1440	138.1227				
3216	UCAC3 150-139652	PM				12	31.270218	-15	-29.82914	69.929	0.0710	163.3772				
3217	2MASS J02355993-2331205	Brown dwarf	L1.5			2	35.998989	-23	-31.33998	69.944	0.0564	282.4819	15.38			
3218	LHS 1882	PM	M2.0Ve			6	56.390211	54	58.463584	69.944	0.3999	198.0644				
3219	BD+46 2361	Star	M1V			17	45.558776	46	51.321732	69.959	0.0225	54.5763	4.31			
3220	HD 107888	PM	K5V			12	23.892547	12	34.815218	69.989	0.1009	166.8363	6.9			
3221	theta Dra	SB	F9V			16	1.889016	58	33.914392	69.989	0.2693	43.3784	-8.23			Draconis
3222	G 152-68	PM				15	58.463725	-6	-51.75342	70.004	0.1448	215.8399				
3223	G 262-26	PM	M0.0Ve			20	43.689416	64	16.901665	70.019	0.1898	108.2768	15.8			
3224	UCAC3 122-609928	PM	K5			20	43.245268	-29	-25.36066	70.049	0.1255	197.6947				
3225	TYC 9210-2740-1	PM				10	18.738328	-68	-19.55918	70.065	0.0475	43.6590				
3226	UPM 0014-6003	UCAC4 Nearby Star Candidate Aug 2014	M			0.246577		-60.063247		70.081	0.0648	123.4334				
3227	LP 692-14	PM				19	19.918931	-4	-46.4898	70.095	0.0815	136.5566				
3228	LHS 5187	PM				11	5.6638369	-52	-47.28784	70.110	0.2385	76.1129				
3229	TYC 3337-1716-1	PM	M2.5Ve			4	23.447959	49	34.316839	70.110	0.1247	185.8111	-13.06			
3230	UCAC3 123-152818	PM				12	39.565298	-28	-50.07716	70.125	0.0912	125.2781	-2.33			
3231	G 106-14	PM				5	56.307457	1	46.432414	70.140	0.2407	149.5909	-23.35			
3232	LHS 1865	PM	K7V			6	44.760806	71	53.257148	70.140	0.3260	192.0863	54.32			
3233	HD 112758		G9V			12	59.026052	-9	-50.04414	70.155	0.4936	76.8530	4.59			
3234	V* V419 Hya	BY Draconis variable	K1V			10	43.471194	-29	-3.857155	70.170	0.1287	256.9100	22.9			
3235	UPM 0453-2835	UCAC4 Nearby Star Candidate Aug 2014	M			4.89377		-28.591743		70.182	0.0225	90.1484				
3236	G 273-22	PM				23	21.094196	-16	-51.82267	70.185	0.2553	162.3114	11.14			
3237	LTT 5136	PM	M1.5Vk:			13	20.415673	-1	-39.4504	70.185	0.1636	153.0469	41.6			
3238	G 230-41	PM	M2.5V			20	28.319744	61	43.797369	70.200	0.1727	267.5674	-27.87			
3239	G 115-71		M4V			9	21.8185	43	30.475	70.216	0.1855	247.6981	37.36			
3240	GJ 3340	PM	M1.0V			5	15.13406	-7	-20.80847	70.216	0.2959	148.5019	41.41			
3241	LHS 2651	PM	M4V			12	55.947118	50	55.366178	70.231	0.5034	162.9275	-47			
3242	LHS 3855	PM	M1.5			22	48.289418	-36	-47.38861	70.246	0.4680	109.9293	-21.81			
3243	UCAC2 21305110	PM				9	37.578819	-25	-47.25925	70.246	0.0386	71.3680	9.64			
3244	2MASS J14105956+0751398	UCAC4 Nearby Star Candidate Aug 2014	M			14.183211		7.8610883		70.249	0.0310	269.0308				
3245	HD 23588		K5V+M3V			3	45.402209	-27	-51.74884	70.261	0.2033	293.5396	33.6			
3246	L 324-51	PM				11	32.371668	-46	-27.94432	70.261	0.2324	76.1928	-6.76			
3247	LP 792-59	PM				11	25.475888	-19	-1.885632	70.261	0.1258	138.7667				
3248	LP 835-18	PM				4	48.016337	-26	-3.024261	70.261	0.1069	297.5408				
3249	UCAC4 234-180690	PM				21	22.282087	-43	-14.08048	70.276	0.1351	190.5714	5.85			
3250	CD-27 14169	PM	M1V			19	39.60284	-26	-45.11789	70.291	0.2636	125.7883	-16.67			
3251	GJ 3636	Flare	M5			11	0.8404643	12	4.1785547	70.291	0.1079	132.9186	-10.07			
3252	HD 97658	PM	K1V			11	14.552689	25	42.623199	70.291	0.0687	65.6520	-1.39			
3253	2MUCD 10900	PM	M8.5			10	19.948675	73	24.142578	70.306	0.3011	271.1065				
3254	BD+20 3010		M0V			14	42.5608	19	28.786925	70.306	0.1732	238.8759	-28			

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
3255	HD 4635	PM	K2.5V+			0	49.774712	70	26.96921	70.306	0.2451	298.6299	-31.83			
3256	UPM J2053-6223	PM				20	53.925059	-62	-23.96392	70.306	0.0683	116.8223				
3257	2MASS J12265135-3316124	UCAC4 Nearby Star Candidate Aug 2014	M			12.447602		-33.270151		70.317	0.0383	249.5255				
3258	G 127-28		K7V			22	24.758936	22	33.067827	70.322	0.1089	248.9056	-6.97			
3259	HD 68017		G3V			8	11.644212	32	27.429675	70.322	0.4614	215.6804	29.65			
3260	HD 199288	PM	G2VFe-1.0			20	57.667799	-44	-7.762327	70.337	0.6415	207.8615	-7.93			
3261	LP 779-17	PM				6	5.4112565	-16	-18.11317	70.337	0.2089	291.8089				
3262	SCR1601-3421	PM red / white dwarf stars Subasavage 2005	M			16	1.9279917	-34	-21.94732	70.352	0.3675	119.3126				Lupi
3263	UCAC3 125-7029	PM	M4.0			3	7.4696484	-27	-31.89095	70.352	0.0856	141.8770				
3264	HD 113827	PM	K4V			13	5.6901321	49	28.316087	70.367	0.0891	335.6610	-6.6			
3265	SCR J0650-2135	PM				6	50.442711	-21	-35.96043	70.382	0.1724	270.0524				
3266	BD+35 3145	RotV	M0V			18	4.2931825	35	57.429297	70.413	0.1609	162.8555	-13.92			
3267	LP 761-6	PM	M5.5			22	56.436763	-11	-9.647314	70.413	0.2804	305.3641				
3268	UCAC3 46-125329	Star				12	27.487533	-67	-16.28222	70.413	0.0253	269.2098				
3269	UCAC4 391-009996	PM	M4.5V			5	45.533133	-11	-58.05708	70.413	0.0504	327.9778				
3270	UPM 0630-1923	UCAC4 Nearby Star Candidate Aug 2014	M			6.5005218		-19.393449		70.417	0.0226	226.8813				
3271	WT 818	PM				21	49.747179	-41	-38.54618	70.443	0.0933	109.2203	10.56			
3272	G 275-9	UCAC4 Nearby Star Candidate Aug 2014	M			23.154915		-32.528271		70.451	0.1028	175.4869				
3273	G 106-45	PM	M4.5			6	24.168726	0	16.508334	70.458	0.1814	149.0995				
3274	LHS 2513	PM				12	7.9641196	77	15.009126	70.458	0.4242	241.2472				
3275	UCAC3 118-108022	PM				8	40.94371	-31	-13.54583	70.458	0.1394	161.3913	-2.47			
3276	2MASS J06584690+2843004	UCAC4 Nearby Star Candidate Aug 2014	M			6.9796944		28.716681		70.484	0.0712	196.3314				
3277	G 84-24	PM				4	57.498242	-1	-48.34797	70.489	0.2251	217.5480				
3278	L 264-18	SB	M2			15	24.808164	-49	-29.79187	70.504	0.1581	206.8413	10.3			
3279	LHS 2619	PM				12	44.379532	4	21.391729	70.504	0.4254	121.8147				
3280	Ross 27	PM	M3.5			4	11.218453	49	31.874054	70.504	0.2797	166.3130	46.96			
3281	BD-07 5223	PM	M0V			20	14.469855	-7	-16.91888	70.519	0.1577	177.7484	7.07			
3282	GJ 1250	Flare	M4.5V			20	8.2976833	33	18.204167	70.519	0.2945	317.8025	-15			
3283	HD 7693		K2V+K3V			1	15.016568	-68	-49.1347	70.519	0.2467	280.2330	9			
3284	LP 218-89	PM				13	22.322903	39	2.6350856	70.519	0.2452	174.8208				
3285	2MASS J09584191-5344477	PM				9	58.698922	-53	-44.79755	70.535	0.1822	129.3359				
3286	theta Scl		F3/F5V		3.55	0	11.73368	-35	-7.9872	70.535	0.1241	306.4450	-1.6			Sculptoris
3287	LP 230-29	PM	M4.5V			19	7.21205	44	16.1231	70.550	0.1220	325.6133	6.85			
3288	UPM 0148-5201	UCAC4 Nearby Star Candidate Aug 2014	M			1.8134969		-52.0211		70.552	0.0668	110.2347				
3289	UPM 2053-6223	UCAC4 Nearby Star Candidate Aug 2014	M			20.898753		-62.399412		70.552	0.0676	116.4549				
3290	CD-36 9261	PM				14	19.035693	-37	-28.19617	70.565	0.0802	92.3022	33.97			

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
3291	HD 116956	BY Draconis variable	G9V			13	25.758871	56	58.229625	70.565	0.1268	87.0539	-12.15			
3292	SCR J0125-4545	PM red / white dwarf stars Subasavage 2005	DA8.5			1	25.300793	-45	-45.51745	70.581	0.4412	137.8203				
3293	G 90-52	PM	M1V			8	17.854881	31	7.7662718	70.596	0.1336	19.7573	46.02			
3294	HD 141272	BY Draconis variable	K0V			15	48.15772	1	34.304501	70.611	0.1409	226.6203	-26.72			
3295	LP 102-320	PM	M5.5V			17	55.557032	58	24.45839	70.611	0.4916	342.6496				
3296	HD 109524	PM	K3.5Vk:			12	35.559209	-34	-52.9151	70.642	0.1542	239.7043				
3297	HD 141272B	PM	M2.5V			15	48.155151	1	34.599071	70.642	0.1443	226.2005				
3298	HD 159062	PM	G9V_Fe-0.8			17	30.273801	47	24.131676	70.642	0.1085	294.4457	-83.91			
3299	UCAC4 487-070851	PM				17	51.837578	7	14.786729	70.642	0.0658	59.3813				
3300	EGGR 141	White dwarf	DA2.5			20	42.579192	-20	-4.598933	70.657	0.2156	105.0147	1.8			
3301	LP 381-49	PM	M5V			14	22.33465	23	52.58432	70.657	0.1470	79.8315	-21			
3302	UCAC3 210-113299	PM	M4.0			11	11.803981	14	56.438724	70.657	0.0820	227.6701				
3303	2MASS J03341065-2130343	PM	M6			3	34.177636	-21	-30.5732	70.672	0.0804	272.7889				
3304	LHS 3420	Eruptive	M5V			18	52.562167	45	38.528333	70.672	0.2959	336.1061	-31.01			
3305	UPM 1928+4801	UCAC4 Nearby Star Candidate Aug 2014	M			19.472687		48.026381		70.686	0.0194	75.2127				
3306	LSPM J0027+0542	White dwarf	DA			0	27.610464	5	42.052164	70.688	0.2201	134.3319				
3307	LP 1035-59	PM				23	45.943094	-40	-12.23218	70.703	0.2587	136.2265	-11.45			
3308	2MASSW J1329019-414713	Brown dwarf	M9			13	29.016815	-41	-47.22551	70.718	0.2093	140.6731				
3309	UCAC4 454-079212	PM	M4.0V			18	46.779368	0	43.43372	70.718	0.0585	106.8683	-36.43			
3310	2MASS J02284243+1639329	Brown dwarf	M8.7V			2	28.707364	16	39.549761	70.749	0.3421	137.0947				
3311	2MASS J04270723+0859027	Brown dwarf	M8.8V			4	27.120777	8	59.044905	70.749	0.0757	88.0134				
3312	LHS 1525	PM	M2.5V			3	17.753966	25	15.10595	70.749	0.5042	114.7409	22.91			
3313	LP 829-51	PM	M4.0			2	23.40016	-23	-18.41127	70.749	0.2006	221.1573				
3314	UCAC3 40-6918	PM				3	28.139186	-70	-1.677945	70.765	0.1745	343.0683	60			
3315	G 122-58	PM	M4V			11	58.293615	42	34.483008	70.780	0.2321	160.4491	11.48			
3316	G 84-25	PM				4	57.976966	-5	-6.27465	70.780	0.1346	206.7836				
3317	V* FF And	BY Draconis variable	M1Ve+M1Ve			0	42.804158	35	32.927634	70.780	0.1590	286.4950	-0.47			
3318	G 265-15	PM	M3.5			2	29.314826	88	24.226071	70.795	0.2541	16.6580				
3319	TYC 6535-3032-1	PM				7	0.1582467	-28	-47.03516	70.795	0.1379	247.6139	48.27			
3320	LP 606-35	Brown dwarf	M6V			9	2.1151733	0	33.323961	70.811	0.2765	258.1581	41			
3321	G 141-57	PM	M3.0Ve			19	3.2267354	3	24.045421	70.826	0.1195	245.6990	-4.12			
3322	GJ 3008	PM	K7V			0	8.4546578	17	25.457591	70.826	0.0662	234.5949	11.93			
3323	L 103-12	PM				11	49.356197	-67	-18.71229	70.841	0.1762	225.5025	-19.41			
3324	UPM 1008+0955	UCAC4 Nearby Star Candidate Aug 2014	M			10.141103		9.917775		70.854	0.0602	341.3550				
3325	G 187-13	PM	M4V			21	1.2679917	33	14.550819	70.857	0.2131	113.8634	-37			
3326	kappa Ret	binary star	F3IV/V		3.05	3	29.377973	-62	-56.25181	70.872	0.3110	314.3741	13.33			Reticuli
3327	LHS 1973	PM				8	2.7363224	59	1.7204318	70.872	0.3145	112.7657				
3328	Ross 9	PM	K6V:			1	20.679102	57	19.675092	70.872	0.3075	33.7100	13.77			
3329	eta Sco	PM	F5IV		2.3	17	12.153266	-43	-14.35198	70.888	0.1666	175.9127	-27		0.015	Scorpii
3330	UCAC2 22523414	PM				17	42.455674	-23	-6.906217	70.888	0.0539	96.0122				

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
3331	UCAC4 215-002222	PM				2	24.44253	-47	-10.39788	70.888	0.1463	6.5380				
3332	HD 1815	PM	K2Vk:			0	22.392731	-27	-1.950882	70.903	0.2980	145.8132	-2.53			
3333	HIP 88976	RotV	M1V			18	9.6785812	31	52.214208	70.919	0.1175	346.9953	-71.45			
3334	HD 59967	PM	G3V			7	30.708529	-37	-20.36174	70.934	0.0592	58.8027	9.37			Puppis
3335	LP 916-45	PM	M2			15	55.614802	-32	-0.006833	70.949	0.0915	235.1891				
3336	UCAC3 27-76059	PM				22	6.9146807	-76	-53.98068	70.949	0.0627	296.9690	19.76			
3337	G 153-57	PM	M2.5V/M3V			16	30.218159	-14	-39.82577	70.980	0.3286	247.2023	-101.4			
3338	GJ 3033	Flare	M5V			0	24.579667	30	2.4916667	70.980	0.3378	272.7639	2.14			
3339	G 74-12	PM	M3.5			2	17.418117	33	23.444341	71.011	0.2561	92.2860				
3340	UPM 1613-2726	UCAC4 Nearby Star Candidate Aug 2014	M			16.223494		-27.436991		71.022	0.0176	206.5651				
3341	2MASSI J2353594-083331	Brown dwarf	M8.6V			23	53.990949	-8	-33.52807	71.027	0.3376	268.0251	32.7			
3342	CD-36 1252	PM	M2+Vkee			3	18.970346	-36	-23.5815	71.027	0.1207	232.8550	3.11			
3343	2MASS J01025869+5304080	PM				1	2.9789345	53	4.1295564	71.042	0.2402	130.0914				
3344	2MASS J10213232-2044069	Brown dwarf	M8.5V			10	21.53859	-20	-44.1181	71.042	0.1914	260.8536				
3345	HD 139777	PM	G1.5V(n)			15	29.186433	80	26.91613	71.042	0.1451	64.4578	-16.27			Ursae Minoris
3346	TYC 3440-13-1	RotV	M3.0V			10	4.3577149	50	23.22312	71.042	0.1436	214.8971	-1.64			
3347	NLTT 29470	PM				12	4.2094183	5	14.214586	71.058	0.1407	231.7837				
3348	UPM 1805-5704	UCAC4 Nearby Star Candidate Aug 2014	M			18.098588		-57.075212		71.089	0.0439	179.2402				
3349	EGGR 344	White dwarf	DC			7	53.454336	52	29.524503	71.104	0.1572	199.0835				
3350	G 262-29	PM	M1V			20	51.997832	69	10.126826	71.104	0.1326	270.2252	-31.12			
3351	UCAC4 141-159543	PM				15	32.730275	-61	-50.49168	71.120	0.1713	225.1735	-36.18			
3352	UPM 1713-3944	UCAC4 Nearby Star Candidate Aug 2014	M			17.218893		-39.738122		71.122	0.0300	351.0851				
3353	2MASS J04510093-3402150	Brown dwarf	L0.5			4	51.015761	-34	-2.248587	71.135	0.0982	324.9828				
3354	HD 139813	PM	G9V			15	29.393219	80	27.0161	71.135	0.1409	64.0615	-16.01			
3355	LHS 5144	PM				9	8.8142434	11	51.685254	71.135	0.2893	67.2111				
3356	TYC 3048-1293-1	PM				15	8.3822889	41	32.431873	71.135	0.0393	267.3591	-19.32			
3357	HD 124292	PM	G8/K0V			14	12.753976	-3	-19.205	71.151	0.2101	206.7796	37.86			
3358	UPM 1906-6834	UCAC4 Nearby Star Candidate Aug 2014	M			19.104146		-68.576443		71.156	0.0523	150.0970				
3359	HD 29883	PM	K5V			4	43.590595	27	41.244158	71.213	0.1574	168.5289	17.89			
3360	HD 197214	SB	G6V			20	43.266619	-29	-25.43513	71.229	0.1180	191.6924	-20.04			
3361	LSPM J0510+2552	PM				5	10.445566	25	52.802103	71.229	0.2058	39.5795				
3362	SCR J1927-0409	PM				19	27.216879	-4	-9.816729	71.229	0.1624	168.6422				
3363	Wolf 1074	PM	M4V			20	34.921908	59	17.446174	71.244	0.1422	258.6778	-112			
3364	TYC 7412-1593-1	PM				18	45.397026	-32	-53.64371	71.260	0.0740	292.6779	-6.44			
3365	zeta Lep		A2IV-V(n)			5	46.955714	-14	-49.31685	71.260	0.0091	264.9458	24.7	asteroids		Leporis
3366	HD 63991	PM	K4			7	52.790454	25	55.588974	71.275	0.0874	164.6164	-43.69			
3367	UCAC2 9110847	PM				16	46.404056	-52	-50.70335	71.275	0.0418	311.1033				
3368	UPM 1520-0756	UCAC4 Nearby Star Candidate Aug 2014	M			15.34596		-7.9371656		71.290	0.0572	222.1993				

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
3369	2MASS J07223179+7305048	PM	M4.5			7	22.529917	73	5.0816667	71.291	0.1035	215.3879				
3370	CCDM J03562+5939P	PM				3	56.17715	59	38.415723	71.291	0.1981	58.9523				
3371	Wolf 439	Flare	M3.5			12	49.570071	9	28.517613	71.291	0.2481	85.4814				
3372	2MASS J22102185+4250576	PM				22	10.364369	42	50.959573	71.307	0.1637	181.9555				
3373	LSPM J1851+2641	PM	M6Ve			18	51.754066	26	41.94608	71.353	0.4048	333.4926	10			
3374	G 263-10	PM	M1V			21	58.408591	75	35.343447	71.369	0.1352	275.6037	-17.84			
3375	UCAC2 16301297	PM				0	31.615931	-36	-6.840141	71.369	0.0343	252.6112	7.02			
3376	G 50-21	PM	M4V			8	10.89376	3	58.560125	71.385	0.2087	161.4254	37			
3377	HD 358850	PM	K7			21	5.7244051	-16	-54.82248	71.385	0.0351	193.4244	-18.39			
3378	LHS 2377	PM				11	14.036498	45	16.111441	71.400	0.3007	268.7376				
3379	LP 239-52	PM	M5.5V			23	47.344198	42	38.14005	71.400	0.1242	355.0248	-31			
3380	BD+13 2721	PM	K7V			13	53.459347	12	56.54301	71.416	0.3655	195.8673	-12.59			
3381	UCAC4 684-055140	PM	M4.5V			15	29.049233	46	46.400507	71.416	0.0716	254.6598	22.79			
3382	2 Y Vel (HD 91324)	PM	F9VFe-0.8CH-0.7		3.19	10	31.363688	-53	-42.92896	71.432	0.2731	63.5021	21.37			Velorum
3383	BD+11 514	PM	K4/5V			3	44.852087	11	55.200224	71.432	0.1973	292.0919	83.56			
3384	HD 16673	PM	F8VFe-0.4			2	40.207035	-9	-27.17227	71.432	0.0925	240.2224	-2.5			
3385	HD 224228	PM	K2V			23	56.177888	-39	-3.140167	71.432	0.1615	132.0234	13.1			
3386	EGGR 428	White dwarf	DAH			7	59.993014	43	35.351719	71.447	0.1968	61.5288	-150			
3387	G 114-14	PM	M3.0V			8	42.386635	-4	-53.91936	71.463	0.1745	191.4191				
3388	UCAC3 111-13461	PM				5	4.9437997	-34	-39.80359	71.463	0.0482	58.6687	22.31			
3389	G 243-39	PM				0	44.647211	67	57.490197	71.479	0.2633	76.7343				
3390	UPM 0518+3035	UCAC4 Nearby Star Candidate Aug 2014	M			5.3116749		30.583531		71.492	0.0159	160.9676				
3391	2MASS J07161063-2011232	PM				7	16.177582	-20	-11.38976	71.494	0.1981	125.8164				
3392	HD 19819	PM	K5Vk:			3	8.3738843	-60	-10.35296	71.494	0.1436	302.2729	4.53			
3393	WOH S 112	PM	M			5	0.0946613	-66	-39.57914	71.494	0.1241	163.2106				
3394	HD 211472B	PM	M4.0V			22	16.043347	54	39.99063	71.510	0.1288	287.7399	-6			
3395	UCAC4 245-007353	PM	M3.5			5	43.775723	-41	-8.140987	71.542	0.3485	165.4718				
3396	G 156-37	PM	M4.5			22	41.231399	-10	-44.79043	71.557	0.1394	275.3546				
3397	HD 211472	BY Draconis variable	K1V			22	15.90231	54	40.373396	71.557	0.1302	288.3023	-7.86			
3398	HD 90156	PM	G5V			10	23.921232	-29	-38.73178	71.557	0.0620	21.5315	26.85			
3399	HD 45184	PM	G2Va			6	24.731329	-28	-46.80694	71.573	0.1194	233.6027	-3.73			
3400	L 1337-43	PM	M3.5Ve			13	13.079583	20	11.444838	71.573	0.3653	76.4805				
3401	LHS 3286	PM	M1.5			17	23.820456	-32	-15.27127	71.589	0.3723	195.2395	-81.5			
3402	LP 737-14	PM	M3.5V			13	16.756896	-12	-20.33969	71.604	0.1708	259.8722				
3403	iota Vir (Syrma.)	PM	F7III			14	16.014437	-6	-0.033543	71.620	0.2402	183.4133	12.51		0.044	Virginis
3404	UCAC4 598-060385	PM	M3.5V			17	55.967166	29	26.161277	71.620	0.0289	125.1250	0.93			
3405	UCAC4 780-037738	PM	M2.0V			21	11.456982	65	53.442075	71.620	0.1030	91.7216	-14			
3406	UPM 0427-2316	UCAC4 Nearby Star Candidate Aug 2014	M			4.4600005		-23.282961		71.626	0.0393	106.4230				
3407	HD 71148	PM	G1V			8	27.613076	45	39.179286	71.636	0.2047	183.2614	-32.3			
3408	LP 376-62	PM	M6V			12	25.017211	23	23.285476	71.652	0.1928	203.1897	-22			
3409	G 162-44	PM	M4.0			10	18.585618	-11	-43.00403	71.667	0.2454	234.0196				

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
3410	BD-07 1110	PM	M0.5V			5	32.447744	-7	-14.31973	71.683	0.1009	184.2753	-16.43			
3411	L 223-77	PM	M3.5			1	55.219959	-53	-6.515113	71.683	0.2303	313.7097				
3412	LP 197-48	Flare	M5.0			2	45.686786	44	57.044104	71.683	0.2565	105.2717				
3413	LP 734-34	PM	M4.5V			12	10.472941	-13	-10.4005	71.683	0.2462	144.3457				
3414	2MASS J04082905-1450334	Brown dwarf	L1.3V			4	8.4844107	-14	-50.56007	71.699	0.1361	118.4106				
3415	G 206-37	PM	M3.5			18	39.99838	33	24.904684	71.715	0.1686	354.9597				
3416	GJ 1045	PM	M4V			2	14.99689	17	25.139584	71.731	0.3400	143.6973	-14			
3417	LHS 2386	PM	M3.5			11	16.610982	-44	-7.826538	71.731	0.3082	267.5458				
3418	2MASS J14283132+5923354	Brown dwarf	L4.4V			14	28.521857	59	23.590457	71.746	0.1412	236.7992	-90			
3419	CD-32 11389	PM	K8Vk			16	4.3857748	-33	-3.661549	71.746	0.1451	254.6833	-36.43			
3420	HD 97233	PM	K5Vk:			11	11.552884	-14	-59.4815	71.746	0.5242	131.8866	-11.44			
3421	LP 355-32	PM	M3.0			3	10.648755	25	40.883853	71.746	0.1123	162.8404				
3422	SDSS J115242.43+243808.0	PM	M9V			11	52.710144	24	38.131812	71.746	0.2735	85.3874	18			
3423	GJ 4201	Flare star Borderline with Vulpeculae	M4V		12.20242509	21	32.366333	24	33.698333	71.762	0.1328	98.0591	6			Pegasi
3424	65 G. Tuc (HD 4308)	PM	G6VFe-0.9			0	44.654453	-65	-38.97128	71.762	0.4413	168.0053	95.25	1	0.8	Tucanae
3425	2MASS J03030069-5524526	PM				3	3.0116223	-55	-24.87755	71.778	0.1345	316.7109				
3426	HD 189245 (262 G Sgr)	PM	F7V		4.05	20	0.3374847	-33	-42.20713	71.778	0.1842	155.9536	-10.27			Sagittarii
3427	BD+27 273	PM	M1V			1	43.266216	27	50.526458	71.794	0.3211	93.3226	-5.47			
3428	CD-44 3484	PM	K5:			7	30.655124	-44	-24.00943	71.794	0.2957	19.4454	29.97			
3429	Ross 263	PM	M3.0Ve			21	56.63219	19	46.240541	71.794	0.2835	190.4685				
3430	2MASS J08055713+0417035	PM				8	5.9523407	4	17.059918	71.810	0.1180	269.5946				
3431	CD-30 1270	PM	M1V			3	18.06634	-30	-24.19618	71.825	0.2149	208.3458	4.26			
3432	G 267-158	PM	M2			0	42.282349	-36	-43.0902	71.825	0.0941	73.6777				
3433	2MASS J17430860+8526594	Brown dwarf	L5			17	43.140672	85	26.993555	71.841	0.1694	199.6072				
3434	G 123-8	PM	M0V			12	10.948178	41	3.4665354	71.857	0.1334	357.8156	55.75			
3435	GJ 9323 B	PM	K4V			10	15.198192	39	32.254432	71.857	0.0858	342.6129	14.45			
3436	UPM 1147-7841	UCAC4 Nearby Star Candidate Aug 2014	M			11.796704		-78.697934		71.895	0.0229	259.9162				
3437	G 275-2	PM	M3			23	7.2541804	-23	-7.896955	71.921	0.1741	148.1142	49.52			
3438	LHS 1359	PM				2	13.135197	-19	-1.876464	71.921	0.4677	94.8524				
3439	LP 729-55	PM				10	18.603395	-11	-43.0366	71.936	0.2456	233.9569				
3440	HD 26923	BY Draconis variable	G0IV			4	15.480008	6	11.211665	71.952	0.0893	225.6155	-7.4			Tauri
3441	G 73-66	PM	M3			2	33.791279	15	0.2900015	71.968	0.2548	273.5165	11.15			
3442	UCAC3 19-12475	PM				8	48.986633	-80	-35.0267	71.968	0.1820	211.2555				
3443	BD+03 2316	PM	K7.5Ve			10	6.9477052	2	57.864949	71.984	0.0716	213.2649	-15.3			
3444	HD 97343	PM	G8.5V			11	12.019858	-26	-8.200093	71.984	0.1628	103.5310	39.88			
3445	UPM 1849-0031	UCAC4 Nearby Star Candidate Aug 2014	M			18.831506		-0.5224975		71.996	0.0222	222.4457				
3446	BD+00 4241	PM	M0.5V			19	32.631948	0	34.65097	72.000	0.1278	276.5744	-48.2			
3447	HD 119802	PM	K3V			13	45.245286	8	50.158612	72.000	0.0683	214.3778	-12.99			
3448	HD 29220	PM	K4Vk:			4	34.020274	-43	-31.48233	72.000	0.0559	142.8745	-15.8			
3449	2MASS J19090821-1937479	Brown dwarf	L1.4V			19	9.1367306	-19	-37.80098	72.016	0.0929	192.8626				

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
3450	HD 218294	PM	K6Vk			23	7.1176544	-23	-9.567086	72.016	0.1741	148.5285	15.32			
3451	HD 26913	BY Draconis variable	G8V			4	15.429786	6	11.979154	72.016	0.0880	222.2628	-7.93			
3452	UCAC4 427-009230	PM	M3.5			5	19.823483	-4	-36.27643	72.016	0.0768	256.7007	32.14			
3453	UCAC3 97-208389	PM				16	1.8601793	-41	-40.63484	72.032	0.0780	201.5316				
3454	2MASS J18354285-7912046	PM				18	35.713389	-79	-12.07346	72.048	0.5112	153.0542				
3455	EGGR 507	White dwarf	DQ5			23	54.937968	40	27.492339	72.048	0.3317	158.4059				
3456	UPM 0535-1706	UCAC4 Nearby Star Candidate Aug 2014	M			5.5851157		-17.109179		72.063	0.0186	134.2395				
3457	HD 136713	PM	K2V			15	22.611583	-10	-39.66757	72.064	0.1222	196.3946	-5.91			
3458	Ross 686	PM	M3.0Ve			9	0.8087402	5	14.691057	72.064	0.1945	231.0579	7			
3459	2MASS J08593854+6341355	Brown dwarf	M8.6V			8	59.64246	63	41.590317	72.096	0.2931	191.2917	3			
3460	2MASS J10313234-5338010	PM				10	31.539185	-53	-38.01697	72.112	0.2729	63.7093				
3461	G 221-16	PM				3	35.850793	71	40.456206	72.128	0.1886	149.8939	5.35			
3462	MCC 484	PM	K5			7	1.1031363	59	49.997184	72.128	0.0979	85.4710	18.55			
3463	Ross 45A	PM	M3.0V			5	34.252289	10	19.234649	72.128	0.2255	192.6685	-17			
3464	Ross 687	PM	M3.0Ve			9	0.8387607	5	14.492744	72.128	0.1915	231.0187	-11			
3465	[ZEH2003] RX J1113.0+1025 2	PM	M3.0V			11	13.009629	10	25.0962	72.143	0.1071	138.9451	-16.7			
3466	UCAC4 459-057906	PM	M5V			16	19.185541	1	40.684598	72.143	0.0879	265.1334	-23			
3467	WT 1361	PM				3	14.622602	-9	-40.28012	72.143	0.1821	232.2492				
3468	LP 196-17	PM	M5V			1	58.753608	40	49.742129	72.159	0.2331	99.6805	16			
3469	Ross 45B	PM	M4.5V			5	34.251224	10	19.15016	72.159	0.2205	190.6310	-11.79			
3470	HD 190470	PM	K3V			20	4.167432	25	47.413685	72.175	0.0495	242.5713	-7.38			
3471	HD 137303	PM	K4V			15	25.975046	-26	-42.34698	72.191	0.4764	269.3044	-133.32			
3472	HD 98281	PM	G8V			11	18.36686	-5	-4.038093	72.191	0.4708	100.7636	13.41			
3473	UCAC4 066-003833	PM	M2.5			5	13.099317	-76	-53.36563	72.191	0.1512	59.2922	1.14			
3474	2MASS J09424604+5531025	Brown dwarf	M8V			9	42.767354	55	31.043158	72.207	0.0708	29.9927	-2			
3475	CD-49 451	PM	M0V			1	37.347006	-49	-11.73961	72.207	0.2963	283.1850	-9.34			
3476	G 179-55	PM	M4.0V			15	47.456868	45	7.855803	72.207	0.1852	51.7958	-11.7			
3477	GJ 3212	PM	M0			3	14.612427	-9	-40.04321	72.207	0.1838	230.9034	-12.11			
3478	LHS 3396	PM				18	35.439085	-19	-43.82105	72.207	0.3262	210.7200				
3479	UCAC2 20165407	Star				14	18.086789	-28	-3.611374	72.207	0.0283	82.9042	-24.59			
3480	G 74-29	PM	M3			2	34.000875	41	46.817199	72.223	0.1769	285.4535				
3481	G 69-24	PM	M2.5Ve			0	48.75886	27	1.1511366	72.255	0.1910	208.3503				
3482	G 94-16	PM				1	49.02717	25	12.301383	72.255	0.2373	277.9369				
3483	LHS 526	PM	M4.5			22	34.894657	-1	-4.967374	72.255	0.6630	280.1070				
3484	LP 640-74	PM	M1V			22	29.097712	1	39.80284	72.255	0.1164	168.1854	-15.37			
3485	2MASS J18124242+2536013	PM				18	12.707276	25	36.022118	72.272	0.2779	231.2340				
3486	UCAC3 179-85963	PM				7	35.860521	0	48.931766	72.272	0.0650	60.0389				
3487	CE 273	White dwarf	DQ			12	44.750743	-35	-7.736367	72.288	0.1517	212.8580				
3488	HD 162283	PM	K7V			17	50.567219	-6	-3.017277	72.288	0.0789	191.8021	-25.87			
3489	2MASS J05544871+8005408	PM				5	54.812096	80	5.6785643	72.320	0.0877	267.4371				
3490	LSPM J1912+5343	White dwarf	DA			19	12.809441	53	43.224122	72.320	0.1154	313.2578				

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
3491	SCR 1157-0149	PM red / white dwarf stars Subasavage 2005	M			11	57.759333	-1	-49.04	72.328	0.4510	116.4000				
3492	2MASS J01500679-4433195	UCAC4 Nearby Star Candidate Aug 2014	M			1.8352224		-44.555416		72.331	0.0398	230.1622				
3493	SWB2008 NGC 4372 3	UCAC4 Nearby Star Candidate Aug 2014	M			12.427308		-72.823533		72.331	0.0220	259.1660				Tucanae
3494	UPM 1801+0948	UCAC4 Nearby Star Candidate Aug 2014	M			18.020404		9.8105269		72.331	0.0218	184.5861				
3495	2MASS J19360187-5502322	Brown dwarf	L5			19	36.031532	-55	-2.535796	72.336	0.2096	146.1482				
3496	LAWD 86	White dwarf	DA3.1			21	26.960948	73	38.74441	72.336	0.1696	171.1193	8			
3497	LSPM J0735+1000	PM				7	35.098754	10	0.4711705	72.336	0.1937	50.7647				
3498	HD 145825	PM	G3V			16	14.19854	-31	-39.82015	72.352	0.1515	192.7274	-21.88			
3499	LP 821-54	PM				23	3.9954012	-16	-12.11268	72.352	0.2051	195.9029				
3500	UCAC3 95-13701	PM				5	17.35703	-42	-52.78708	72.352	0.1093	347.6250	24.29			
3501	CD-43 1064	PM	M0.5V			3	25.661579	-42	-59.20076	72.368	0.2016	112.1639	90.72			
3502	LSPM J0543+3637	PM				5	43.122884	36	37.020135	72.384	0.0983	250.5244				
3503	HD 19071	PM	K0			3	5.5696182	42	11.836797	72.400	0.0524	131.8428	27.08			
3504	TYC 432-673-1	PM				18	16.147178	0	19.799645	72.400	0.0274	339.5700	9.77			
3505	V* FZ And	Flare	M5V			23	25.669433	53	8.094	72.400	0.6045	288.4001	-16.51			
3506	HD 32778B	PM				5	2.3761954	-56	-5.903691	72.416	0.4210	4.3589	2.3			
3507	LHS 436	PM	M5.5			17	14.14541	60	47.498531	72.432	0.5724	238.6695				
3508	UCAC3 65-479955	PM				23	52.74005	-57	-56.04928	72.432	0.1785	281.0256	8.51			
3509	UCAC3 71-10558	PM				4	42.374146	-54	-59.64096	72.432	0.0731	276.6915	7.52			
3510	UPM J0954+2025	Star				9	54.259426	20	25.54872	72.432	0.0266	126.0113	-16.21			
3511	HD 1910	PM	K4Vk:			0	23.266036	-33	-10.05157	72.448	0.0757	13.9635	4.45			
3512	HD 205536	PM	G9V			21	40.496232	-74	-4.456908	72.448	0.1476	33.1420	34.46			
3513	2MASS J03212992+3847294	PM	M5.5			3	21.498572	38	47.489984	72.464	0.0742	253.5255				
3514	CD-61 1439	RotV	K7V(e)			6	39.833736	-61	-28.69217	72.464	0.0464	20.0068	31.58			
3515	G 33-36	PM	M0V			1	6.6918585	15	16.368165	72.464	0.1592	203.2990	16.04			
3516	LHS 3666	PM	M1.5			21	24.305928	-46	-41.58523	72.464	0.4305	94.2225	-35.03			
3517	UCAC2 30792099	PM				4	2.5548882	-2	-42.26855	72.464	0.0325	136.1954				
3518	UCAC4 228-082956	PM				14	43.422863	-44	-29.05014	72.464	0.1751	236.6431				
3519	HD 4913	PM	K6V			0	51.362569	18	44.354856	72.481	0.1592	168.7637	6.02			
3520	UCAC4 218-183248	PM	M3.0			18	56.518527	-46	-30.84491	72.513	0.1058	225.7591	11.37			
3521	kappa Phe	PM	A5IVn			0	26.203341	-43	-40.78991	72.529	0.0651	287.0504	11.3			Phoenicis
3522	UPM 0113-5939	UCAC4 Nearby Star Candidate Aug 2014	M			1.2278671		-59.659566		72.533	0.0598	110.5691				
3523	UPM 0603-3722	UCAC4 Nearby Star Candidate Aug 2014	M			6.0534199		-37.378531		72.533	0.0644	167.9486				
3524	G 127-35	PM	M1V			22	28.765629	18	55.901808	72.561	0.1225	127.3337	-46.67			
3525	G 156-36	PM	M3.5			22	41.224315	-10	-44.86912	72.561	0.1361	282.8540				
3526	SIPS 0612-4503	UCAC4 Nearby Star Candidate Aug 2014	M			6.2119608		-45.05708		72.566	0.0670	0.4978				

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
3527	GJ 3344		M2			5	16.00585	-72	-14.21292	72.577	0.4812	3.2428				
3528	LP 323-169	PM	M4.5V			13	32.651558	30	59.109216	72.577	0.1213	248.4262	9.88			
3529	2MASS J19201510+2848420	PM				19	20.251869	28	48.703502	72.594	0.0939	359.8091				
3530	LP 714-37		M5.5+M8.0+M8.5			4	10.800728	-12	-51.70102	72.610	0.2455	200.2779				
3531	LP 715-12	PM				4	25.507769	-9	-55.86144	72.610	0.2151	349.8753				
3532	UPM J1124-3900	PM				11	24.387263	-39	-0.717906	72.610	0.1075	172.9570				
3533	EGGR 7	HotSubdwarf	sdB2VIIHe4			1	3.8320551	5	4.5094605	72.626	0.2323	305.4706	3.2			
3534	UPM 1213-6907	UCAC4 Nearby Star Candidate Aug 2014	M			12.221307		-69.117693		72.634	0.1051	65.8604				
3535	2MASS J18291690-3059489	PM				18	29.281786	-30	-59.81855	72.642	0.3034	118.8110				
3536	EGGR 117	White dwarf	DA5.4			16	11.426772	13	22.299	72.642	0.3168	178.5712	29.4			
3537	G 27-17	PM	M2			22	11.224868	-2	-32.61824	72.642	0.2518	99.5612	-24.4			
3538	LHS 2360	PM				11	10.008116	-74	-36.25294	72.658	0.4129	55.8062				
3539	39 Leo B	PM	M1			10	17.234108	23	6.4364454	72.675	0.2494	257.0637	38.45			Leonis
3540	LHS 2517	PM				12	9.1103809	47	35.583017	72.675	0.3858	116.9386				
3541	UCAC3 265-53771	PM	M2.5V			4	31.249858	42	17.18049	72.675	0.0712	181.1379	7.87			
3542	HD 195987	SB	G9V			20	32.860669	41	53.909922	72.691	0.2764	19.1230	-5.84			
3543	LP 387-31	PM	M2.5			17	0.3388042	25	21.0495	72.707	0.1065	43.6951	23.36			
3544	UCAC3 60-447347	PM				17	27.114921	-60	-16.12611	72.707	0.0647	226.8946	-863.1			
3545	2MASS J00512228+1844120	PM				0	51.37168	18	44.189549	72.723	0.1635	169.4416				
3546	2MASS J06154934-0100415	Brown dwarf	L1.0V			6	15.822583	-1	-0.694318	72.723	0.1207	106.1983	-21			
3547	G 217-51	PM	M4			0	27.113027	49	41.882043	72.723	0.2508	121.3995	1.33			
3548	GJ 3635	Flare	M5V			10	59.106333	30	15.215	72.723	0.3620	239.4784	3			
3549	LHS 1448a	PM				2	48.722818	41	43.537449	72.723	0.4601	194.8098				
3550	UCAC4 421-049389	PM	M3.5			8	54.533102	-5	-51.42815	72.723	0.0775	246.5609				
3551	Wolf 1467	PM				18	40.837387	-8	-4.97435	72.723	0.1637	208.9339				
3552	UPM 1929-2932	UCAC4 Nearby Star Candidate Aug 2014	M			19.486295		-29.536558		72.734	0.0274	53.7135				
3553	HD 13513C	PM	M1V			2	11.049282	-35	-40.07705	72.739	0.1593	217.2525	0.66			
3554	LHS 5395	PM				23	0.3512424	69	57.632216	72.739	0.2924	285.3384				
3555	UPM 1400-4109	UCAC4 Nearby Star Candidate Aug 2014	M			14.01385		-41.164604		72.768	0.1460	214.8424				
3556	2MASS J18291670-3059556	PM				18	29.278546	-30	-59.93098	72.772	0.3048	119.3545	83.17			
3557	G 252-12	PM				8	31.287313	72	37.518145	72.772	0.2007	163.3111				
3558	LP 658-71	PM	M5			5	54.085398	-2	-48.36059	72.772	0.1467	176.9251				
3559	UCAC3 105-18096	PM				6	0.787119	-37	-42.32689	72.772	0.0763	47.9333	69.37			
3560	G 75-16	PM	M3			2	28.28523	1	26.517897	72.788	0.1806	115.0462				
3561	LSPM J0053+1903	PM	M2.5Ve			0	53.216047	19	3.4486541	72.788	0.0941	223.0206	-5.19			
3562	BD+39 3048	PM	K4V			16	49.411626	39	16.574651	72.804	0.1703	160.8070	19.78			
3563	HD 32778	PM	G7VFe-1.4CH-1.2			5	2.284056	-56	-4.834875	72.804	0.4243	3.7512	0.79			
3564	2MASS J08062638-2839222	PM				8	6.4403118	-28	-39.38091	72.821	0.5456	138.6124				
3565	HD 106516 (41 G. Vir)		F9V		4.34	12	15.175955	-10	-18.74392	72.821	0.5889	178.2344	4.36			Virginis
3566	HD 74385	PM	K2+V			8	42.125284	-42	-55.76634	72.821	0.1648	251.9623	23.02			

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
3567	LTT 3222	PM	M2.5			8	42.116179	-42	-56.51825	72.821	0.1629	253.0634				
3568	HD 108954	PM	F9V			12	30.835597	53	4.5964386	72.853	0.1062	354.0475	-21.78			
3569	UCAC4 247-094529	PM				16	36.959519	-40	-41.14856	72.853	0.1700	194.4337				
3570	LHS 6402	UCAC4 Nearby Star Candidate Aug 2014	M			22.326318		61.338938		72.869	0.2650	283.4566				
3571	2MASS J01550354+0950003	Brown dwarf	L4			1	55.059161	9	50.006938	72.870	0.1975	105.2792				
3572	G 116-77	PM	M1.0Ve			10	6.730088	41	42.877826	72.870	0.2792	211.4352	-13.51			
3573	TYC 4295-701-1	PM				0	37.695116	68	21.644602	72.870	0.0335	222.1845	-27.72			
3574	UCAC4 412-004013	PM				3	20.524135	-7	-41.09945	72.870	0.1054	58.4775				
3575	G 231-32	PM				21	12.38586	59	14.946713	72.919	0.2096	177.1825				
3576	TYC 4530-1414-1	PM	M1.5Ve			7	11.952361	77	21.980446	72.919	0.0513	181.0928	2.49			
3577	BD+01 2063	BY Draconis variable	G5V			8	19.317523	1	20.331819	72.951	0.1005	251.9580	27.35			
3578	LSPM J0522+5754	PM				5	22.162767	57	54.076289	72.968	0.0853	198.3900				
3579	TYC 1330-879-1	RotV	M1.0V			6	46.762252	15	57.702804	72.968	0.0597	255.5787	15.59			
3580	UPM 1316-0858	UCAC4 Nearby Star Candidate Aug 2014	M			13.277929		-8.9737619		72.969	0.0468	225.6551				
3581	LSPM J0154+5741N	PM				1	54.468474	57	41.661341	72.984	0.1211	188.7276				
3582	CD-35 2722		M1Ve			6	9.3201377	-35	-49.51771	73.000	0.0328	183.7852	29.52			
3583	UCAC4 128-001478	PM				1	37.688432	-64	-27.00918	73.000	0.1278	5.1307				
3584	UPM J1658-5311B	PM				16	59.06516	-53	-12.49851	73.000	0.1455	219.3044				
3585	HD 13513B	PM				2	11.040021	-35	-40.29531	73.017	0.1512	215.7638	0.94			
3586	HD 63433	BY Draconis variable	G5IV			7	49.917674	27	21.790977	73.033	0.0088	221.5489	-15.84			
3587	G 167-54	PM	M4.1V			15	43.808	25	52.628333	73.049	0.2095	28.3439	-40			
3588	GJ 9188	PM	M0.0Ve			5	41.981118	15	20.233589	73.049	0.0524	118.5643	22.8			
3589	L 1246-11	PM	M3.5			6	52.405126	18	17.082998	73.049	0.1023	314.4151	48.39			
3590	SCR J1500-4102	PM				15	0.181993	-41	-2.949733	73.049	0.1234	107.0708				
3591	LP 792-16	PM	M3.0			11	20.775693	-19	-39.12095	73.066	0.2272	245.0208	7.33			
3592	UPM 1432-3320	UCAC4 Nearby Star Candidate Aug 2014	M			14.538334		-33.349686		73.070	0.0940	117.7387				
3593	HD 304391	PM	K3.5V(k)			11	30.583611	-57	-8.032386	73.082	0.3237	86.2999	-4.16			
3594	HD 4256	PM	K3V			0	45.081564	1	47.131283	73.082	0.3345	184.9741	9.54			
3595	LAWD 7	White dwarf	DA7.1			0	55.838921	-11	-27.52504	73.098	0.2586	10.2387				
3596	LP 523-55	PM	M8.0V			23	49.81662	12	24.640397	73.098	0.1151	170.4683	-4			
3597	UPM 1146-4611	UCAC4 Nearby Star Candidate Aug 2014	M			11.774884		-46.185577		73.104	0.0286	111.1963				
3598	2MASS J13082507+0725512	Brown dwarf	M9			13	8.4179213	7	25.852387	73.115	0.2784	150.7660				
3599	HD 214953B	PM	M1			22	42.624846	-47	-12.72219	73.115	0.1786	178.0073	0.6			
3600	HD 88742	PM	G0V			10	13.412153	-33	-1.903225	73.115	0.2190	80.0689	44.06			
3601	UCAC3 67-296062	PM				15	28.763885	-56	-41.88264	73.115	0.0860	159.8479				
3602	LP 701-56	PM	M3.0			23	1.7693737	-6	-14.37862	73.131	0.1135	114.2592				
3603	LP 771-21	PM	M8e			2	48.683316	-16	-51.36855	73.131	0.1695	186.5603	3			
3604	LSPM J1808+1134	PM	M5V			18	8.2024147	11	34.7765	73.131	0.3531	228.2499	10			
3605	UCAC4 445-054141	PM				11	53.136425	-1	-7.243715	73.131	0.0511	184.2913				

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
3606	2MASS J15442922+4910284	UCAC4 Nearby Star Candidate Aug 2014	M			15.74145		49.174593		73.137	0.0124	53.5589				
3607	LEHPM 4862	UCAC4 Nearby Star Candidate Aug 2014	M			22.567876		-61.127966		73.137	0.1402	92.1880				
3608	UPM 0516+2445	UCAC4 Nearby Star Candidate Aug 2014	M			5.2729752		24.756467		73.137	0.0616	166.0687				
3609	G 146-5	PM	M4V			9	59.766423	47	12.187743	73.164	0.1658	163.9722	-23			
3610	BD+49 2126	PM	K6V			12	15.147041	48	43.953994	73.181	0.1350	257.0129	-13.24			
3611	G 106-2	PM	M4V			5	48.401218	7	45.645069	73.181	0.1643	165.0793	-8.22			
3612	HD 161198B	PM	M4.5			17	43.256606	21	36.172938	73.181	0.3730	190.9243				
3613	L 43394					23	15.956092	-81	-22.35356	73.181	0.3001	283.1127				
3614	LP 786-15	PM				8	52.159149	-16	-21.4035	73.181	0.1472	24.2010				
3615	UCAC4 386-021404	PM	M			6	58.489905	-12	-59.69245	73.181	0.0855	145.3385				
3616	UCAC4 746-057465	PM	M3.0Ve			19	7.4139068	59	5.1559631	73.181	0.1021	336.5090				
3617	HD 139323	PM	K3V			15	35.942773	39	49.86712	73.197	0.2629	83.5487	-66.88			
3618	HD 18455		K2V			2	57.245194	-24	-58.17088	73.197	0.0294	142.5283	50.7			
3619	2MASS J05160945-0445499	Brown dwarf	T5.5			5	16.157633	-4	-45.83233	73.213	0.1617	226.8373				
3620	2MASS J12074717+0244249	Brown dwarf	L6.5+T2.5			12	7.7862333	2	44.4155	73.213	0.3006	74.5115	78			
3621	HD 37606	PM	G8IV-V		3.13	7	42.951549	-45	-10.38694	73.213	0.3254	187.9296	23.92			Puppis
3622	LHS 1108	PM				0	36.410431	-34	-7.050385	73.213	0.3085	234.0624				
3623	UCAC4 463-045476	PM	M4.0V			9	30.847419	2	27.336607	73.213	0.0510	22.4929	18.83			
3624	TYC 5060-53-1	PM				16	31.872777	-7	-18.31641	73.230	0.0349	211.6362	17.14			
3625	HD 4915	PM	G5V			0	51.180801	-5	-2.356708	73.246	0.1673	114.4406	-3.65			
3626	HD 59468	PM	G6.5V			7	27.424407	-51	-24.15598	73.246	0.1674	269.5513	4.9			
3627	PM J15589+0417	White dwarf	DC			15	58.961589	4	17.085969	73.263	0.0477	206.5566				
3628	UPM J2040-8245	PM				20	40.936213	-82	-45.15548	73.263	0.0866	145.8405				
3629	CD-47 399	PM	M1.0			1	21.756506	-46	-42.86278	73.279	0.0796	234.3281	16.35			
3630	LP 657-4	PM	M4.0			5	9.3504229	-8	-38.92888	73.279	0.2348	100.4191				
3631	UCAC4 191-004642	PM				4	33.662004	-51	-57.37394	73.279	0.1642	162.9084	26.1			
3632	LP 170-65	PM	M4			12	9.1100171	47	36.088368	73.296	0.3829	116.3183				
3633	2MASS J19501998-4327025	PM				19	50.333181	-43	-27.04279	73.312	0.0836	139.2396				
3634	G 32-18	PM	M4.0			0	26.527376	14	59.379129	73.312	0.2296	189.6940				
3635	LP 871-38	PM				20	38.769526	-21	-6.765195	73.312	0.1258	73.7683				
3636	2MASS J07573255-7114537	PM				7	57.542231	-71	-14.89725	73.329	0.0548	280.4223	6.59			
3637	BPM 78873	PM	K7V			17	18.36182	-1	-46.89057	73.329	0.0726	121.4309	-28.9			
3638	EGGR 150	White dwarf	DA2.8			21	52.422981	2	23.326275	73.329	0.1751	177.0617	32			
3639	HD 210667	BY Draconis variable	G9V			22	11.198554	36	15.379448	73.329	0.1474	174.3025	-19.39			
3640	HD 214683	BY Draconis variable	K2/3V			22	39.846113	4	6.9669275	73.329	0.1213	301.5289	23.82			
3641	SCR 0757-7114	UCAC4 Nearby Star Candidate Aug 2014	M			7	14.385517	-71	-14.8977	73.329	0.0518	283.3657				Volantis
3642	UPM 0439+2333	UCAC4 Nearby Star Candidate Aug 2014	M			4.6512621		23.55554		73.339	0.0132	151.5107				
3643	LP 912-49	PM	M5.5Ve			14	6.8226086	-30	-18.46661	73.345	0.4855	265.9869				

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
3644	HD 51849					6	58.434132	-12	-59.51137	73.362	0.0823	141.6764	-4.53			
3645	Ross 23	PM	M1.5Ve			3	56.789989	53	33.613313	73.362	0.2916	141.9636	-20.83			
3646	G 69-11	PM	M4			0	40.937434	31	22.940946	73.378	0.1942	187.3234	29			
3647	HD 11373	PM	K3Vk			1	54.101968	66	10.571492	73.378	0.0854	197.0735	-27.36			
3648	HD 81105		K4V			9	25.179598	46	5.8942164	73.378	0.1294	83.5530	1.02			
3649	2MASSI J0818580+233352	PM	M7			8	18.966915	23	33.859839	73.395	0.2452	218.0389	33.1			
3650	GJ 2155	PM	M0.5V			23	26.206108	8	53.630068	73.395	0.3265	292.3683	-44.79			
3651	LHS 3158	PM	M3V			16	7.2273733	26	50.283548	73.395	0.3374	140.3215	-5.43			
3652	HD 125354		K4/5(V)			14	18.971108	-6	-36.21621	73.411	0.2515	180.9131	7.87			
3653	HD 18143B	PM	K7.5Ve			2	55.646712	26	52.325907	73.411	0.1905	120.5578	27			
3654	LHS 3949	PM	M4.5			23	26.631011	-46	-51.09513	73.411	0.3206	132.5920				
3655	TYC 796-882-1	UCAC4 Nearby Star Candidate Aug 2014 Borderline with Cancri	M			8	27.515547	8	37.222549	73.411	0.0643	30.6818				Canis Minoris
3656	94 Cet	PM	F8.5V			3	12.773948	-1	-11.76583	73.428	0.1194	109.7261	18.96			Ceti
3657	G 246-26	PM	M2.0Ve			3	10.441731	58	26.143592	73.428	0.1294	151.4992	13.5			
3658	LHS 1407	PM	M6			2	28.164698	3	10.971991	73.428	0.4700	177.2769				
3659	LHS 3967	PM				23	31.914189	69	17.283954	73.428	0.3427	246.9991				
3660	UPM 0218-6657	UCAC4 Nearby Star Candidate Aug 2014	M			2.3026752		-66.964561		73.439	0.0584	96.9267				
3661	BD+18 3497	PM	K5V			17	55.748304	18	30.023086	73.445	0.0386	224.4307	-29.7			
3662	HD 216259	PM	K2.5V			22	51.439308	13	58.198983	73.445	0.2640	296.5147	0.95			
3663	BD+23 2121	PM	K5			9	37.189004	22	41.648545	73.461	0.1359	220.3467	-36.4			
3664	G 196-3B	Brown dwarf	L2			10	4.343982	50	22.990813	73.461	0.1454	213.4621				
3665	LSPM J2044+1339	PM	M5			20	44.367977	13	39.015176	73.461	0.3023	328.2307	-20			
3666	NLTT 10183	PM	M1.5Ve			3	13.634969	65	21.279017	73.461	0.1123	26.6754	-26.64			
3667	UCAC3 192-95163	PM	M2.0Ve			8	20.222836	5	32.135742	73.461	0.0442	85.4024	23.29			
3668	2MASS J17235113-3541093	PM				17	23.851996	-35	-41.16939	73.478	0.3360	194.2576				
3669	UCAC4 481-129140	Star	M3.0Ve			21	5.534281	6	9.2578239	73.478	0.0293	336.9954				
3670	HD 207491	PM	K3V			21	49.203858	5	43.37196	73.494	0.3157	92.8469	-10.92			
3671	LHS 1513	PM	MV			3	11.587076	-38	-47.39061	73.494	0.5077	107.5780				
3672	LTT 5135	PM	M3:			13	20.209295	-1	-40.68289	73.494	0.1659	152.6470				
3673	CPD-75 1748B	PM				22	25.942668	-75	-0.871534	73.511	0.0183	103.1056	15			Octantis
3674	LP 798-51	PM	M2Vk:			13	52.891197	-18	-20.28121	73.511	0.1749	246.3876	5.3			
3675	G 253-50	PM	M2.5Ve			11	25.490385	78	15.936302	73.544	0.3913	252.4233	14.11			
3676	LP 51-17	PM	M3.5			1	0.8245251	66	56.911575	73.544	0.1410	256.9666	0.26			
3677	2MASS J09244905-4915296	PM				9	24.817503	-49	-15.49336	73.561	0.5339	52.0818				
3678	G 246-35	PM				3	26.517274	59	8.894662	73.561	0.1478	138.0477				
3679	HD 18143C	PM	M4.0V			2	55.596318	26	52.341076	73.561	0.1909	122.4279	32.5			
3680	LHS 1728	PM				5	2.7573591	61	30.822666	73.561	0.3413	270.7063				
3681	2MASS J12243981-8205532	PM				12	24.663263	-82	-5.886936	73.577	0.1547	185.0576				
3682	UCAC4 336-007585	PM	M2.0V			5	20.058168	-22	-57.05282	73.577	0.0776	36.2652	11.32			
3683	84 Cet		F7 IV			2	41.233287		-41.73974	73.594	0.1467	120.8515	3.9			Ceti

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
3684	G 110-14	PM	M4.0V			6	43.579451	16	41.586646	73.610	0.1268	85.4995	79.93			
3685	GJ 1033	Flare	M3			1	13.400423	-22	-54.12921	73.610	0.0894	280.1704	0.06			
3686	LEHPM 1618	PM	M4.5			1	30.483539	-35	-12.00749	73.610	0.2230	139.8434				
3687	LHS 3720	PM	M4			21	49.59665	5	39.114788	73.610	0.3155	92.8403				
3688	2MASS J03201767-5536197	PM				3	20.294682	-55	-36.32912	73.627	0.1236	302.8386				
3689	G 87-28	PM	M4V			7	10.226749	37	40.172742	73.627	0.2029	217.4771	-22.52			
3690	LP 120-46	PM	M5.5			6	13.181786	53	17.916609	73.627	0.1564	358.1287				
3691	LP 919-15	PM				17	12.020138	-27	-46.03624	73.644	0.1473	239.9914				
3692	LSPM J0233+2209	PM				2	33.50874	22	9.2356996	73.660	0.1836	150.7251				
3693	LHS 2719	PM				13	20.45002	-3	-56.24358	73.677	0.5254	71.6595				
3694	Ross 794	PM	M2.0Ve			5	1.2587075	24	52.409245	73.710	0.2634	150.0382	29.48			
3695	UCAC4 401-059660	PM	M4.0V			15	14.281551	-9	-58.64748	73.710	0.0936	224.8628	64.18			
3696	Wolf 648	PM	M3.0V			17	9.4335	39	9.6416667	73.710	0.3861	173.1641	30			
3697	2MASSI J2047247+142152	Brown dwarf	M8.9V			20	47.412325	14	21.872655	73.727	0.1370	116.7997				
3698	TYC 4073-807-1	UCAC4 Nearby Star Candidate Aug 2014	M			4.3477847		64.157972		73.742	0.0250	114.4771				
3699	G 204-45	PM	K5V			18	7.7407996	39	4.4487329	73.744	0.1677	169.1265	-20.96			
3700	2MASSW J1246467+402715	Brown dwarf	L4V			12	46.779688	40	27.249898	73.760	0.0961	118.5828				
3701	GJ 3150	Flare	M3.6V			2	19.038789	23	52.91619	73.760	0.1786	104.8692	15.7			
3702	18 Pup	PM	F6.5V		3.77	8	10.663763	-13	-47.95231	73.777	0.1499	76.9985	33.34			Puppis
3703	2MASS J10352029-2058382	low-mass	M5.5			10	35.338026	-20	-58.63857	73.794	0.0823	265.2712				
3704	G 183-10	PM	M3.5Ve			17	53.009906	16	55.056065	73.794	0.1991	225.4603	-0.23			
3705	LHS 2896	PM				14	19.717564	7	58.423886	73.794	0.3263	255.6076				
3706	LHS 3789	PM	M3.5			22	17.887761	-36	-11.33316	73.794	0.3146	168.1027				
3707	Ross 512	PM	M4V			15	34.508304	14	16.297267	73.794	0.3990	257.4861	-12			
3708	SCR J1848-6855	PM Red & White dwarf stars Subasavage 2004	M5.0V			18	48.349463	-68	-55.57311	73.794	0.7363	195.0871				
3709	sigma CrB B	PM	G1V			16	14.673129	33	51.451638	73.794	0.1754	254.8814	-14.79			Coronae Borealis
3710	2MASS J12184187-0609123	PM	M4.5			12	18.698026	-6	-9.206236	73.811	0.0630	108.5503				
3711	HD 97334	BY Draconis variable	G0V			11	12.539176	35	48.844859	73.811	0.1698	238.7067	-4.4			
3712	PM J15145-4625	PM				15	14.530808	-46	-25.92135	73.811	0.3169	267.9933				
3713	UCAC3 131-446297	PM	M3.0			20	51.162753	-24	-58.29194	73.811	0.1206	115.7446				
3714	HD 7279	PM	K6Vk:			1	12.768853	-25	-14.13475	73.827	0.0755	278.8679	-4.77			
3715	PG 0136+152	White dwarf	DA6.2			1	38.947903	15	27.706475	73.827	0.0597	199.8917				
3716	UCAC3 22-37847	PM				15	11.010925	-79	-26.80574	73.827	0.1556	160.7182	132.9			
3717	HG 1-Aug	PM	M3.5V			4	14.892049	27	45.465882	73.844	0.1520	117.4923				Tauri
3718	2MASS J19130608-2312052	PM red / white dwarf stars Subasavage 2005	M5.5			19	13.101181	-23	-12.08309	73.861	0.2363	151.9280				
3719	CD-25 9106	PM	M1Vk:			12	13.548577	-25	-55.4104	73.861	0.2531	141.9978	-25.53			
3720	HD 118096	PM	K4V			13	34.053963	33	13.703555	73.878	0.2419	38.6159	1.67			
3721	LAWD 66	White dwarf	DQwk			17	11.44603	-14	-47.8949	73.878	0.2270	134.5333				
3722	UPM J1659+3822	PM	M3			16	59.067417	38	22.986548	73.894	0.0413	115.9202				
3723	GJ 3730	Flare	M4.0V			12	29.452027	22	59.778862	73.928	0.1011	262.5807	-22.6			

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
3724	HD 13789	PM	K3/4V			2	14.226179	-3	-38.11223	73.928	0.1278	183.2138	-8.52			
3725	L 142-86	PM				10	24.116619	-63	-59.91288	73.928	0.1833	212.1671	26.83			
3726	LHS 5030	PM				1	17.710098	64	59.083882	73.928	0.2593	320.0872				
3727	LSR J2059+5517	White dwarf	DC			20	59.748316	55	17.500353	73.928	0.2901	326.9845				
3728	2MASS J22380742+4353179	Brown dwarf	L0.6V			22	38.124367	43	53.294644	73.945	0.2030	111.1239				
3729	G 256-11	PM	M2V			13	53.785831	78	51.113538	73.945	0.1616	65.3381	0.85			
3730	GJ 4029 (LHS 3332)		M6		19.23684637	17	49.991631	22	41.113604	73.961	0.4566	261.7072				Herculis
3731	L 63-46	PM				9	1.6493053	-72	-40.279	73.961	0.1954	47.0331				
3732	APMPM J0207-3722	PM	M7e			2	7.2340986	-37	-21.83844	73.978	0.2525	286.3370				
3733	LP 859-11	PM	M2			15	8.3899156	-23	-51.61994	73.978	0.1786	226.8476	-31.17			
3734	NLTT 8235	PM				2	33.775632	71	9.5520479	73.995	0.1116	147.0470				
3735	BD+14 1876	PM	M0V			8	20.922155	14	4.2799898	74.012	0.1600	197.7576	6.99			
3736	EGGR 249	White dwarf	DA6.8			8	30.657217	32	41.768333	74.045	0.3182	195.9166	21			
3737	G 100-38	PM	M3.5			5	48.536888	21	19.30118	74.045	0.2233	119.9165	18.31			
3738	G 209-36	PM	M3.5V			20	33.695912	36	35.976933	74.045	0.2131	326.9781	11.8			
3739	G 269-89	PM				1	4.4817147	-38	-27.81214	74.045	0.1124	182.0718				
3740	HD 24409		G3V			3	56.192803	59	38.52194	74.045	0.1809	61.2341	-19.59			
3741	SCR J0150-3741	PM				1	50.220827	-37	-41.8671	74.045	0.1240	114.7726				
3742	HD 110463	BY Draconis variable	K3V			12	41.742041	55	43.480389	74.062	0.0714	92.3977	-10.06			
3743	HD 90089	PM	F4VkF2mF2			10	31.0757	82	33.520926	74.062	0.0388	78.7718	7.9			
3744	psi 1 Dra B	PM	F8V			17	41.968403	72	9.4139441	74.062	0.1617	173.0174	-10.85			Draconis
3745	UCAC4 285-186703	PM				18	26.891941	-33	-6.314717	74.062	0.2067	283.6748				
3746	UCAC4 529-149149		M1V			23	30.894998	15	47.676061	74.062	0.1150	236.4329	-4.05			
3747	WISE J022051.50-582341.3	UCAC4 Nearby Star Candidate Aug 2014	M			2.3476098		-58.394755		74.077	0.0571	97.6101				
3748	BD+52 2815	PM	K7-V			20	50.551265	52	53.975701	74.079	0.3051	326.8461	-52.56			
3749	2MASS J16331306-7553232	PM				16	33.218003	-75	-53.38158	74.096	0.4791	189.6953				
3750	G 97-18	PM	M0V			5	6.0669306	4	20.238931	74.096	0.2403	285.4323	72.81			
3751	zeta Vir (Heze)		A3 V		1.1	13	34.693333		-35.75	74.100	0.1657	80.0805	-13.2			Virginis
3752	UPM J1658-5311A	PM				16	58.935454	-53	-11.71487	74.113	0.1458	217.1382				
3753	UPM J1859-1701	PM				18	59.251569	-17	-1.868036	74.113	0.2453	210.3026				
3754	HD 224607	PM	K4Vk:			23	59.228329	-26	-2.924786	74.147	0.1337	86.8982	1.56			
3755	BPM 78395	PM	M1V			16	21.495536	-16	-56.02526	74.163	0.0938	193.9791	4.46			
3756	DENIS J162601.3-063926	PM				16	26.022294	-6	-39.43457	74.163	0.2279	191.8837				
3757	LHS 2298	PM	M4.0			10	42.616997	-3	-55.10795	74.180	0.2916	83.0109	-11.51			
3758	LHS 1401	PM				2	24.51172	-17	-16.70616	74.197	0.2834	116.7801				
3759	LP 48-485	Em				23	24.442285	73	57.728917	74.197	0.1487	277.3569				
3760	UCAC3 149-141358	PM				12	32.740845	-15	-30.91209	74.197	0.1478	223.3439				
3761	2MASS J06320617+8305014	Brown dwarf	L0.5			6	32.102137	83	5.0210991	74.214	0.0323	156.0143	-26			
3762	2MASS J08555116-2512351	PM	M9			8	55.852725	-25	-12.59142	74.214	0.2008	201.8662				
3763	LHS 3299	PM	M2.0Ve			17	32.892446	54	20.211907	74.214	0.2947	31.8370	-96.98			
3764	LSPM J0610+2234		M6V			6	10.374333	22	34.346667	74.214	0.0969	166.4641	9			
3765	2MASS J20452209+3508146	PM				20	45.368492	35	8.2457201	74.231	0.2315	286.4011				

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
3766	UPM 0424-5700	UCAC4 Nearby Star Candidate Aug 2014	M			4.4031936		-57.015186		74.245	0.0686	237.8606				
3767	LP 300-5	PM				3	27.34928	29	0.7419281	74.282	0.1200	88.2082				
3768	LP 23-160	PM				16	51.116856	78	9.2919944	74.299	0.3604	46.2409				
3769	GJ 3287	Flare	M3.8V			4	27.688645	59	35.276017	74.316	0.1313	149.3337	17.1			
3770	BD+23 3151B	PM	M1.5V			17	37.811068	22	57.264132	74.333	0.1259	228.5142	3.44			
3771	LSPM J0438+7048	PM				4	38.960992	70	48.49949	74.333	0.0963	90.9032				
3772	2MASS J17300207+8444159	PM				17	30.03593	84	44.266668	74.350	0.0944	148.2140				
3773	HD 96612	PM	K0V			11	8.2335736	38	25.597924	74.350	0.1263	79.2371	-36.24			
3774	L 252-17	PM				11	43.82285	-51	-35.14623	74.350	0.2180	248.0505				
3775	LHS 3479	PM	M2			19	41.90363	3	9.2678574	74.350	0.3230	209.2363	33.2			
3776	GJ 3639	Flare	M3.5V			11	3.1664691	36	39.143387	74.367	0.1110	80.9255	-10			
3777	UPM 1752-4550	UCAC4 Nearby Star Candidate Aug 2014	M			17.871249		-45.839605		74.380	0.0369	84.1186				
3778	GJ 9780 (L 356-105)	PM	M3.5		12.13139643	22	25.05913	-47	-51.60188	74.384	0.4538	142.8260				Gruis
3779	LP 927-8	PM				20	20.726747	-28	-6.10859	74.384	0.1235	75.8487				
3780	psi 1 Dra Dziban Adh-Dhi'ban	B, Bb	F5 IV-V			17	41.938333	72	8.9333333	74.401	0.1569	174.6122	-13.3			Draconis
3781	HD 336196	PM	M0V			18	25.079906	24	38.074676	74.401	0.2620	185.1253	-0.4			
3782	LHS 3506	PM				20	0.46253	27	26.766505	74.401	0.3830	188.9890				
3783	LP 815-31	PM				20	31.159432	-16	-58.69876	74.401	0.1155	70.8873				
3784	G 152-65	PM	M3.0V			15	55.869462	-11	-54.32878	74.418	0.1955	252.8817				
3785	HD 222143	BY Draconis variable	G3/4V			23	37.974796	46	11.966037	74.418	0.2080	91.8518	-0.1			
3786	LP 764-108	PM	M1+Vk:			0	20.139693	-17	-3.683366	74.418	0.0829	95.3009	30.77			
3787	LSPM J0055+5948	White dwarf	DC:			0	55.971667	59	48.04219	74.418	0.2652	97.1341				
3788	36 Dra	PM	F5V			18	13.897213	64	23.837088	74.435	0.2063	275.7654	-35.93			Draconis
3789	LHS 3783	PM	M2.0Ve			22	16.33692	70	56.663569	74.435	0.5025	92.6805	-4.86			
3790	BD+27 1311	PM	K7V			7	5.7040615	27	28.24985	74.452	0.0632	206.7010	-21.6			
3791	NLTT 20654	PM				8	58.580307	7	58.926902	74.452	0.2051	162.6039				
3792	UPM J1354-7121	PM	M2.5			13	54.898382	-71	-21.79551	74.452	0.1129	228.6565	5.7			
3793	2MASS J06122246-0807162	PM	M6.0			6	12.374114	-8	-7.270879	74.469	0.0661	86.0291				
3794	SCR J2040-5501	PM				20	40.206447	-55	-1.426928	74.469	0.2898	124.8828				
3795	UPM 0854-4308	UCAC4 Nearby Star Candidate Aug 2014	M			8.9115328		-43.140039		74.480	0.0289	188.6848				
3796	BD+31 1781	PM	K4.5V			8	18.179651	30	36.049098	74.486	0.5064	199.0517	13.44			
3797	G 256-35	PM				16	28.186925	84	50.01681	74.486	0.1961	35.9139				
3798	UCAC4 219-004615	PM				4	26.002842	-46	-21.18915	74.486	0.1288	227.7921				
3799	LSPM J1919+1438	PM	M5V			19	19.464328	14	38.03321	74.503	0.2954	97.6443	-20			
3800	Ross 680	PM	M0V			0	17.338734	29	10.980223	74.503	0.4729	301.7512	-9.22			
3801	UCAC4 870-007177	PM	M3.5V			18	4.1764502	83	50.470233	74.503	0.0942	267.3662				
3802	zeta Ser	PM	F2V			18	0.4834827	-3	-41.41604	74.503	0.0946	106.7455	-50.7		0.015	Serpentis
3803	UPM 1747-5450	UCAC4 Nearby Star Candidate Aug 2014	M			17.790512		-54.842251		74.514	0.0450	68.3774				
3804	2MASSI J0253202+271333	PM	M8.0V			2	53.339071	27	13.558443	74.537	0.2316	286.1699	49			

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
3805	LHS 2573	PM	M:			12	32.53618	-26	-10.23805	74.537	0.5781	133.4407				
3806	Ross 1022	PM	M3.0Ve			13	38.617567	25	49.826367	74.537	0.3397	83.1689				
3807	UCAC4 284-211222	PM				21	55.805937	-33	-13.24706	74.537	0.1321	164.0325				
3808	GJ 3910	Flare	M4V			15	31.9045	28	51.16	74.554	0.3182	86.7504	-36.32			
3809	L 16-59 A	PM				10	7.1637725	-82	-50.26005	74.554	0.2103	60.8654	5.66			
3810	2MASS J20450238-6332066	Brown dwarf	L1			20	45.039947	-63	-32.10975	74.571	0.1330	159.9259	5			
3811	2MASS J18452147+0711584	PM	M7V			18	45.358009	7	11.975809	74.588	0.2039	219.8781	-46.19			
3812	GJ 3734	Flare	M4			12	32.43874	20	23.459555	74.588	0.0288	300.7407				
3813	G 273-33	PM				23	24.188572	-17	-45.8381	74.605	0.1087	241.7855	17.2			
3814	LHS 2477	PM	M1V			11	55.819279	-38	-16.82203	74.605	0.4018	115.3748	18.49			
3815	LP 682-46	PM				15	27.075426	-9	-18.27663	74.605	0.1716	203.6744				
3816	EGGR 245	White dwarf	DBQ5			0	41.36736	55	50.13917	74.622	0.1885	102.4754	20.5			
3817	LP 427-16	PM	M3.0Ve			9	14.053063	19	40.096209	74.622	0.1263	222.6105				
3818	2MASS J00094327-4117355	PM				0	9.7214646	-41	-17.59294	74.639	0.1284	298.6927				
3819	G 180-9	PM	M3.0Ve			15	53.110591	34	44.794208	74.639	0.3316	153.1908				
3820	G 59-37	PM	M3.5V			12	43.600879	25	6.3639664	74.639	0.2168	263.3510				
3821	HD 90508 (HIP 51248)		F9V		4.56	10	28.064702	48	47.094257	74.639	0.5143	174.7749	-6.67			Ursae Majoris
3822	LP 794-19	PM	M5V			12	5.777122	-18	-49.53533	74.639	0.1845	183.0894	-25			
3823	UPM 2028-1750	UCAC4 Nearby Star Candidate Aug 2014	M			20.477856		-17.843042		74.648	0.0157	217.6332				
3824	2MASSI J1551066+645704	PM	M8.5			15	51.110099	64	57.079075	74.656	0.1321	87.4747				
3825	BD+43 4035	PM	M2+V			21	44.899864	44	17.14843	74.656	0.3899	192.1169	-28.09			
3826	L 122-4	White dwarf	DA3.5			0	36.371891	-59	-55.4591	74.656	0.1627	296.2405				
3827	LP 344-47	PM	M2.5Ve			22	50.758911	28	36.141905	74.656	0.1160	104.2026				
3828	2MASS J00332386-1521309	Brown dwarf	L4			0	33.397868	-15	-21.51444	74.673	0.1763	274.3658	-6.37			
3829	UCAC3 88-143390	PM	M4			12	23.643113	-46	-6.338359	74.673	0.1356	266.8561	8.12			
3830	UPM 0013-2533	UCAC4 Nearby Star Candidate Aug 2014	M			0.231181		-25.558312		74.682	0.0805	91.5739				
3831	G 24-9	White dwarf	DC7			20	13.927982	6	42.747101	74.691	0.3698	203.6465	29.9			
3832	G 259-20	PM	M2.0Ve			17	43.152901	85	26.499415	74.691	0.1723	199.4598	-141.68			
3833	NLTT 18774	PM				8	1.3521974	56	24.066955	74.691	0.1704	183.9744				
3834	G 247-12	PM	M4.5V			4	8.3962848	69	10.985206	74.708	0.1661	105.2266				
3835	HD 101177B	SB	K2V			11	38.734953	45	6.4485623	74.708	0.3355	89.8041	-14.3			
3836	UCAC4 637-123845	PM	M2.0Ve			23	22.972829	37	17.23808	74.708	0.0523	132.8187	4.84			
3837	CD-31 561	PM				1	23.412997	-30	-45.56728	74.725	0.1186	211.7288	-8.09			
3838	HD 149192	PM	K4Vk:			16	35.839456	-53	-45.42296	74.725	0.1570	207.8897	-4.92			
3839	2MASS J00265632-5428530	PM				0	26.938859	-54	-28.88	74.742	0.2322	118.8579				
3840	UCAC4 085-063168	PM				20	53.466758	-73	-8.173644	74.742	0.1195	154.7996				
3841	BD-17 3336C	PM	M3			11	15.258468	-18	-7.598996	74.759	0.4383	169.1640	18			
3842	LHS 3533	PM	M3.5			20	13.983081	6	41.269297	74.759	0.3692	203.3886	-8.34			
3843	LSPM J2311+5032	PM	M4.5			23	11.893588	50	32.248287	74.759	0.3836	278.7861	-30			
3844	UCAC4 562-024010	PM				6	4.701278	22	19.387052	74.759	0.0720	115.4056	-24.75			
3845	upsilon Aqr	PM	F7V		5.64	22	34.693945	-20	-42.49291	74.759	0.1542	123.7446	-2.28			Aquarii

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
3846	LHS 2864	PM	M4.0			14	7.7992834	57	11.756985	74.793	0.4109	75.4113	-7.21			
3847	LP 301-25	PM	M3.5			4	5.0845437	30	16.494011	74.793	0.1276	188.0987				
3848	SCR J0701-1437	PM				7	1.6093929	-14	-37.31079	74.793	0.1865	44.4548				
3849	TYC 3322-300-1	PM				3	3.1421539	51	21.759945	74.793	0.0386	273.9859	19.96			
3850	2MASS J17191934-4736182	PM				17	19.322505	-47	-36.30763	74.811	0.1795	154.2653				
3851	G 137-44	PM				15	43.985019	14	27.131422	74.811	0.2329	272.1848				
3852	G 256-30	PM	M3.0Ve			16	5.4687649	76	54.953369	74.811	0.2031	77.7792				
3853	L 383-82	PM				7	25.593929	-42	-38.94212	74.811	0.1638	61.4241	6.59			
3854	SIPS 1432-3326	UCAC4 Nearby Star Candidate Aug 2014	M			14.534666		-33.440511		74.816	0.1055	117.1728				
3855	2MASS J10252645+0512391	PM				10	25.440869	5	12.650106	74.828	0.1362	257.0534				
3856	HD 348274	PM	M1V			18	15.726466	18	56.325806	74.828	0.2490	185.2793	83.1			
3857	HD 233719	PM	K6V			10	13.956388	52	30.403586	74.845	0.4453	173.4784	-21.79			
3858	UCAC3 38-176213	PM				21	39.229426	-71	-23.8902	74.845	0.1311	170.4827	19.45			
3859	alpha Lib (Zubenelgenubi) (The Sourthern Claw)		A3	F5 IV	1.2	14	50.68635	-15	-59.83414	74.862	0.0864	293.4250	23.8			Librae
3860	G 104-52	PM	M2.5Ve			6	40.091534	28	35.237407	74.862	0.1377	170.3932				
3861	LTT 8715	PM				21	50.451968	-63	-40.89727	74.862	0.1402	47.1095	28.25			
3862	Wolf 1412	PM	M2.0Ve			18	10.387947	51	15.87547	74.862	0.0944	340.3792	-28.78			
3863	GJ 3172	Flare	M5V			2	37.494696	0	21.457238	74.879	0.3085	108.6586	23			
3864	UCAC4 441-110619	PM	M3.0			19	46.841885	-1	-57.66073	74.879	0.0680	103.3813	-118.99			
3865	UCAC4 677-057915	PM	M4.0V			16	48.075908	45	22.716961	74.879	0.0266	308.1465	-1.36			
3866	2MASS J08471906-5717547	PM	M4			8	47.317452	-57	-17.91195	74.897	0.0738	82.6669	30.2			
3867	G 123-49	Flare	M2.5V			12	39.078305	47	2.384336	74.897	0.2340	107.1185	-10.9			
3868	LHS 2011	PM	M4V			8	28.2115	20	8.38	74.897	0.3985	202.0344	128			
3869	LP 359-186	PM	M5.0V			5	3.0938333	21	22.603333	74.897	0.0970	144.5182	47			
3870	2MASS J07531346-1012174	PM				7	53.224679	-10	-12.29582	74.914	0.2194	157.4775				
3871	2MASS J06434263-6928539	PM				6	43.710162	-69	-28.90147	74.931	0.1066	238.4641				
3872	UCAC3 101-133278	PM				13	33.10115	-39	-57.25771	74.931	0.0626	170.3297	-5.31			
3873	BD+25 84	PM	K5V			0	36.965021	26	10.910803	74.948	0.0505	298.8416	-15.5			
3874	BD+63 965	PM	K7V			11	31.218199	63	9.4520779	74.948	0.0414	290.8829	-4.36			
3875	HD 14214	SB	G1V			2	18.02403	1	45.468563	74.948	0.3035	315.2292	25.72			
3876	UPM 0122-4220	UCAC4 Nearby Star Candidate Aug 2014	M			1.3696079		-42.347171		74.951	0.0679	169.0848				
3877	alpha CrB Alphecca Gemma Gnosia Asteroth	(Alphecca) Eclipsing binary Algol type, B	A0 V	dCG6	0.7	15	34.6878	26	42.881567	74.965	0.0872	126.6796	1.7			Coronae Borealis
3878	GJ 660.1 B	Brown dwarf	d/sdM7			17	12.853548	-5	-7.423899	74.965	0.4279	164.8631				
3879	BD+76 404	PM	K6V			10	54.441831	76	3.9451682	74.983	0.2651	71.7964	-26.13			
3880	G 141-16	PM				18	32.555111	4	4.3429813	74.983	0.1661	219.0483				
3881	HD 53927	PM	K2.5V			7	8.0706455	29	50.069748	74.983	0.1937	207.9996	19.55			
3882	UCAC3 190-282092	PM				22	49.046531	4	59.600773	74.983	0.0813	86.3904	-35.87			
3883	2MASS J05032583-5353188	PM	M4			5	3.4307666	-53	-53.31181	75.000	0.2805	284.4826				
3884	HD 124106	PM	K1V			14	11.76955	-12	-36.70599	75.000	0.1811	234.7091	3.37			

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
3885	L 392-39 A	PM	M2			10	19.854345	-41	-48.76957	75.000	0.2583	191.8194	17.66			
3886	WOH S 27	PM				4	41.583473	-65	-5.606491	75.000	0.0584	287.0665	-15.97			
3887	G 218-5	PM	M0.0Ve			0	38.254844	52	19.925437	75.017	0.0909	208.6038	3.13			
3888	LAWD 14	White dwarf	DA5.4			3	28.813309	-27	-19.00157	75.017	0.4947	288.3710				
3889	UPM 1124-3900	UCAC4 Nearby Star Candidate Aug 2014	M			11.406456		-39.011977		75.018	0.1064	172.5254				
3890	UPM 1953+2043	UCAC4 Nearby Star Candidate Aug 2014	M			19.886234		20.731498		75.018	0.0728	37.5016				
3891	HD 154590	PM	K4V			17	8.1220033	-41	-43.43501	75.035	0.2270	214.3927	-19.1			
3892	delta Her	B	A3 IV	G4IV	0.8	17	15.031843	24	50.352418	75.052	0.0919	187.7083	-40			Herculis
3893	G 173-13	PM				1	38.398862	45	16.914196	75.052	0.1915	106.0167	25.68			
3894	HD 17382	BY Draconis variable	K1V			2	48.152509	27	4.1184849	75.052	0.1770	113.0539	9.01			
3895	Wolf 237	PM	M4.0Ve			5	46.640842	44	7.3285372	75.052	0.3926	237.8345				
3896	2MASS J19405202+7831418	PM				19	40.864924	78	31.686818	75.069	0.0981	258.3110				
3897	LP 133-172	PM	M4.5			13	53.181167	55	28.548333	75.069	0.1848	64.6452				
3898	2MASS J08025781-8330076	PM				8	2.9635203	-83	-30.12448	75.086	0.1044	37.1637				
3899	HD 167425		F9.5V			18	19.668856	-63	-53.1938	75.086	0.1626	171.7855	0.4			
3900	HD 97782		K5V			11	14.802857	-23	-6.295402	75.086	0.2739	218.8558				
3901	LHS 6325	PM				17	47.436805	28	40.73865	75.086	0.2622	187.6242				
3902	UCAC3 71-5159	PM				2	31.72114	-54	-32.41406	75.086	0.0978	185.8699	1.31			
3903	G 260-22	PM				19	31.67095	68	43.714539	75.104	0.2403	328.8949				
3904	LHS 2725	PM	M2.0Ve			13	21.587426	3	45.920342	75.104	0.3021	265.2964				
3905	2MUCD 10529	PM	M9			6	14.880143	45	36.926442	75.121	0.0648	171.5772				
3906	G 210-26	PM	M4.0V			20	33.263423	28	23.740103	75.121	0.2219	219.5748	-12			
3907	G 224-65	PM	M4.0V			15	23.857225	58	28.107931	75.121	0.2030	31.4687	-1.74			
3908	LHS 3580	PM	M3.5			20	45.756697	-29	-27.48719	75.121	0.3031	219.1882				
3909	UCAC3 71-5157	PM				2	31.702762	-54	-32.3551	75.121	0.1012	185.0658	-0.33			
3910	HD 203850	PM	K2.5V			21	26.974216	-56	-7.51581	75.138	0.3934	281.9588	-44.88			
3911	Ton 368	White dwarf	DQ6			8	59.24523	32	57.20265	75.138	0.1894	269.3692	-27			
3912	UCAC3 121-75794	PM				8	0.9019275	-29	-33.6801	75.138	0.0796	227.7545				
3913	UPM 2127-7217	UCAC4 Nearby Star Candidate Aug 2014	M			21.4657		-72.288263		75.152	0.0809	299.4790				
3914	GJ 113 C	Flare	M5V			2	48.162213	27	4.4308846	75.156	0.1760	112.4547	13			
3915	V* IO Tau	Flare	M5V			4	24.156586	15	5.2562562	75.156	0.1108	109.8580	29			
3916	LHS 6397	PM	M3.0Ve			22	9.7174259	41	2.0934894	75.173	0.2825	299.7222	-115.81			
3917	2MASS J07093364+0800566	PM	M4V			7	9.5607584	8	0.9437784	75.208	0.1294	209.5589	22			
3918	2MASS J23590836+2338311	Brown dwarf	M9			23	59.139565	23	38.517216	75.208	0.2356	154.6589				
3919	TYC 3011-1235-1	UCAC4 Nearby Star Candidate Aug 2014	M			10.738802		42.260814		75.219	0.0899	212.4968				
3920	GJ 3537	Flare	M4Ve			9	9.6524589	6	42.183047	75.225	0.0530	56.8030				
3921	BD+81 297	PM	K7V			9	27.936312	80	34.813583	75.242	0.2554	178.8057	-18.9			
3922	G 235-66	PM				10	19.282542	65	49.950064	75.242	0.1820	165.4867				
3923	UCAC2 17278196	PM				14	7.9474756	-34	-3.783145	75.242	0.0433	110.5290				

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
3924	CD-50 210	PM	K7.0			0	49.028532	-50	-8.695172	75.260	0.1952	130.0803	23.84			
3925	G 222-3	PM	M4.5			4	20.210144	84	54.103735	75.277	0.1629	138.6641				
3926	LP 709-43	PM	M3.0V			2	10.061161	-8	-52.99255	75.277	0.2380	232.6687				
3927	LP 713-10	PM				3	35.949046	-10	-30.94983	75.277	0.1082	141.5027				
3928	2MASS J22344716+2757542	PM				22	34.785942	27	57.902899	75.295	0.0826	242.1730				
3929	2MASS J06443003+7206516	PM				6	44.500805	72	6.8615154	75.312	0.1462	190.1325				
3930	2MASS J20414744+4938482	PM				20	41.790723	49	38.802478	75.312	0.0957	285.6557				
3931	G 273-133	PM				23	46.320345	-11	-56.72152	75.312	0.1496	120.3910				
3932	G 58-21	PM	M3V			10	48.542994	19	9.033969	75.312	0.1495	114.5495	20.79			
3933	UPM 2131+6037	UCAC4 Nearby Star Candidate Aug 2014	M			21.519058		60.62279		75.320	0.0307	280.8199				
3934	GJ 660.1	PM	M1V			17	12.854597	-5	-7.5225	75.329	0.4252	165.0088	-50.73			
3935	LP 275-20	PM				16	21.526663	35	19.624317	75.347	0.2144	210.5579				
3936	UCAC4 431-058936	PM				14	2.1726861	-3	-55.01904	75.347	0.0702	104.9869				
3937	G 193-65	PM	M5.0V			7	46.700682	57	26.886189	75.364	0.1367	188.9121	29.23			
3938	HD 20165	PM	K1V			3	14.787119	8	58.847618	75.364	0.3311	135.2981	-16.76			
3939	HD 91949	PM	F0			10	37.564909	34	45.529141	75.364	0.0335	113.4157				
3940	UCAC3 88-406785	PM				19	53.461942	-46	-11.53621	75.364	0.0672	356.0309				
3941	HD 16348	PM	K3.5Vk:			2	32.982184	-72	-41.24578	75.382	0.1409	324.4536	14.69			
3942	LHS 2866	PM	M1.5Ve			14	8.3779241	75	51.121797	75.382	0.3185	47.6184	-23.09			
3943	LP 176-55	PM	M3.5			15	33.655666	46	15.048731	75.382	0.1160	2.0646	-23.29			
3944	LP 854-57	PM	M3.0			12	59.694524	-26	-50.26042	75.382	0.1181	88.9795				
3945	2MASS J16131023-1904131	UCAC4 Nearby Star Candidate Aug 2014	M			16.21951		-19.070308		75.387	0.0145	184.8208				
3946	G 64-30	PM				13	58.647348	0	20.21145	75.399	0.2347	218.1441				
3947	G 223-16	PM				13	39.909371	53	48.874924	75.417	0.2215	62.8297				
3948	G 224-84	PM				15	48.060705	59	39.023704	75.417	0.2577	45.1205	7.2			
3949	GJ 3900 (G 152-8)	PM	M4		11.95530632	15	0.197	-12	-0.103333	75.417	0.4385	255.1636	-436.606			Librae
3950	HD 14001		K4V+K4V			2	15.769056	-18	-14.28938	75.417	0.0715	198.9406	5.3			
3951	TYC 468-828-1	UCAC4 Nearby Star Candidate Aug 2014	M			19.347116		3.2106097		75.421	0.0719	4.9176				
3952	2MASS J02273126+1935260	PM				2	27.521411	19	35.428407	75.434	0.1372	129.6550				
3953	G 259-5	PM	M3.0Ve			16	57.479829	77	43.062792	75.452	0.1481	308.1781				
3954	L 577-72	PM	M4V			23	54.01804	-33	-16.40646	75.452	0.3006	216.3466				
3955	epsilon Cyg (Gienah)	B	K0 III	red dwarf		20	46.211373	33	58.215417	75.457	0.2785	310.1572	-12.41		0.016	Cygni
3956	HD 149612	PM	G5VFe-1.2CH-0.9			16	39.069026	-58	-15.49216	75.469	0.2118	218.4908	-8.99			
3957	SCR J0137-4148	PM				1	37.391444	-41	-48.93776	75.469	0.1312	305.7823				
3958	UPM 1430-2520	UCAC4 Nearby Star Candidate Aug 2014	M			14.505699		-25.345613		75.488	0.0542	56.7701				
3959	EPIC 215044443	PM				18	45.300622	-25	-3.674491	75.504	0.2180	244.7381				
3960	LHS 207	PM	M6			5	38.207084	79	31.32083	75.504	0.7003	136.1122				
3961	LP 659-8	PM				6	0.6485237	-7	-55.68775	75.504	0.1078	119.8127				
3962	Ross 331	PM	M3.66			2	59.177653	36	36.665135	75.504	0.3753	114.2679	44.08			

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
3963	LP 792-33	PM	M1.5Vk			11	32.316641	-16	-58.12228	75.522	0.1670	144.2910	9.86			
3964	UCAC4 659-043992	PM				6	27.213541	41	38.238909	75.522	0.1006	86.6877	-5.47			
3965	G 260-31	PM	M3.0V			19	42.166961	65	38.500458	75.539	0.2469	321.7053	-21.08			
3966	GJ 3739	Flare	M4V			12	39.725537	25	30.76413	75.539	0.1397	228.5027	0			
3967	LP 401-10	PM	M5.5Ve			22	54.186307	25	27.943638	75.539	0.2251	286.7383				
3968	LSPM J1526+2936E	White dwarf	DA			15	26.350935	29	36.378233	75.539	0.1122	332.6727				
3969	SCR 0531-4323	UCAC4 Nearby Star Candidate Aug 2014	M			5.5253966		-43.384502		75.555	0.0294	290.4765				
3970	UPM 0600-3742	UCAC4 Nearby Star Candidate Aug 2014	M			6.0131185		-37.705463		75.555	0.0775	52.3816				
3971	G 201-45	PM				15	16.621735	53	55.760055	75.557	0.1683	30.0979				
3972	LAWD 94	White dwarf	DA5.7			23	54.017875	-33	-16.51796	75.557	0.2957	217.6649				
3973	2MASSI J0218291-313322	Brown dwarf	L3.8V			2	18.485034	-31	-33.3862	75.574	0.1085	227.9817				
3974	CD-24 17578	PM	M0Vk:			23	17.003701	-23	-23.77788	75.574	0.2278	128.3874	52.02			
3975	BPS CS 22941-0045	UCAC4 Nearby Star Candidate Aug 2014	M			23.724117		-34.782736		75.589	0.0681	131.8854				Sculptoris
3976	UPM 2005-2218	UCAC4 Nearby Star Candidate Aug 2014	M			20.093107		-22.304523		75.589	0.0648	147.2370				
3977	2MASS J08304878+0128311	Brown dwarf	T4.5			8	30.813067	1	28.519167	75.592	0.2223	144.4798				
3978	CD-23 2363	PM	K6V			5	3.3646211	-23	-15.01744	75.592	0.2068	296.8051	122.49			
3979	LEHPM 5577	PM				23	11.576101	-75	-6.653265	75.592	0.3648	124.4315				
3980	G 122-8	PM	M3.5Ve			11	15.443201	41	5.270587	75.609	0.1437	159.1261	45.96			
3981	APMPM J2354-3316C	Brown dwarf	M8.5Ve			23	54.154675	-33	-16.44594	75.627	0.2982	216.8470				
3982	HD 112914	SB	K3V			12	59.546283	41	59.205529	75.627	0.1718	52.2569	27.1			
3983	2MASS J06431685-1843375	Brown dwarf	M8.0V			6	43.281056	-18	-43.62285	75.644	0.1175	120.5080				
3984	LP 797-33	White dwarf	DC9			13	16.326239	-20	-7.534303	75.644	0.3702	86.2159				
3985	GJ 1060 B	Flare	M3.5			3	28.807418	-27	-19.07675	75.662	0.4824	297.8856				
3986	UPM J0329-3844	PM				3	29.358802	-38	-44.04629	75.662	0.0475	23.1744				
3987	64 Psc	SB	F8V			0	48.978458	16	56.43866	75.679	0.1623	195.8683	3.76			Piscium
3988	TYC 2445-665-1	UCAC4 Nearby Star Candidate Aug 2014	M			6.9799313		33.969429		75.689	0.0270	35.3657				
3989	UPM 2000+3215	UCAC4 Nearby Star Candidate Aug 2014	M			20.015468		32.255398		75.689	0.0156	216.0588				
3990	2MASS J04403324-0731177	PM	M4.5			4	40.553771	-7	-31.30041	75.697	0.1801	208.7832				
3991	2MASS J18445350+7408555	PM				18	44.89149	74	8.9258764	75.715	0.1760	2.5303				
3992	V* AT CrB	BY Draconis variable	K3V			16	6.49332	38	37.934429	75.715	0.3398	156.5343	23.26			
3993	LP 851-399	UCAC4 Nearby Star Candidate Aug 2014	M			11.964862		-23.816863		75.723	0.1633	262.6522				
3994	LP 184-6	PM				17	57.594014	50	25.469794	75.732	0.3877	353.8820				
3995	BPM 46052	PM	M1V			0	9.3325608	-21	-14.69019	75.750	0.1041	125.2110	16.82			
3996	G 158-8	PM	M3.5V			23	55.91923	-13	-21.39867	75.750	0.1830	273.6467	-9.01			
3997	HD 101177	B	G0V	K2V	4.45	11	38.74835	45	6.505	75.750	0.3457	88.5438	-17.5			Ursae Majoris
3998	LP 890-39	White dwarf	DC			4	33.55994	-27	-53.41438	75.750	0.2281	90.8985				

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
3999	omega Dra	SB	F4V			17	36.951543	68	45.477873	75.750	0.1874	359.5917	-13.98			Draconis
4000	UPM 0850-2822	UCAC4 Nearby Star Candidate Aug 2014	M			8.8361378		-28.368041		75.756	0.0431	343.0564				
4001	EGGR 197	pulsWhite dwarf	DA5.4			16	57.164167	21	26.836667	75.767	0.3360	177.4200	10.2			
4002	UCAC4 554-010638	Eruptive	M5.0V			4	47.204143	20	38.17999	75.785	0.0775	134.3610	14.6			
4003	HD 205434	BY Draconis variable	K4			21	33.017804	62	0.1470897	75.803	0.2433	297.8266	-11.15			
4004	CD-23 1056 (HIP 12961)	PM	K5V			2	46.714785	-23	-5.196717	75.820	0.1900	295.5840	33.05	1		Eridani
4005	UPM 1238-6514	UCAC4 Nearby Star Candidate Aug 2014	M			12.638657		-65.24597		75.824	0.0374	352.9413				
4006	chi Cet	PM	F0V			1	49.585064	-10	-41.184	75.838	0.1029	237.3172	0.61			Ceti
4007	G 104-36	PM	M2.5			6	21.731687	16	19.371403	75.838	0.1650	121.7118				
4008	SDSS J092825.53+423053.6	low-mass	M9V			9	28.426518	42	30.905524	75.838	0.3159	225.4125	51			
4009	PM J08503-5848	PM				8	50.355053	-58	-48.10355	75.856	0.3615	42.3352				
4010	V* V417 Hya	BY Draconis variable	K2Vk:			10	4.627649	-11	-43.78194	75.873	0.1123	262.7165	-12			
4011	LP 658-106	PM	M6.5			5	37.38871	-8	-16.10655	75.891	0.2453	179.2385				
4012	NLTT 56054	PM				23	10.399121	61	34.369849	75.891	0.1797	132.1830				
4013	BPM 91545	PM	K4V			16	24.731308	22	54.347631	75.909	0.1014	236.3084	-58.83			
4014	HD 208038	PM	K2.5V			21	53.08922	20	55.831138	75.909	0.0585	182.9654	13.25			
4015	HD 214731	PM	K4V			22	40.978353	-46	-12.11963	75.909	0.0611	100.0643	34.19			
4016	UCAC3 272-282107	PM	M5.0			23	10.914571	45	30.775027	75.909	0.1731	197.8244				
4017	UCAC4 685-062476	PM				18	31.978696	46	58.482978	75.909	0.0454	298.2290				
4018	DENIS J173145.0-785124	PM				17	31.74912	-78	-51.42818	75.926	0.2172	195.0228				
4019	G 104-35	PM	M1.0Ve			6	21.609743	16	18.603048	75.926	0.1639	122.0751				
4020	LP 853-34	PM	M2			12	47.167195	-22	-22.61802	75.926	0.1587	257.8587	-10.16			
4021	LP 924-17	PM	M5.5			19	17.075263	-30	-19.33508	75.926	0.1535	135.9399				
4022	2MASS J07552745-2404374	PM				7	55.457613	-24	-4.630654	75.944	0.2277	179.6972				
4023	NLTT 49961	PM	M6.0			20	49.229076	32	16.855473	75.944	0.1813	210.6481				
4024	HD 168009	PM	G1V			18	15.541058	45	12.559	75.979	0.0805	213.9903	-64.57			
4025	V* V2431 Cyg	BY Draconis variable	K2.5V			20	49.270522	32	17.08734	75.979	0.1816	211.2030	10.64			
4026	UPM 0735-0048	UCAC4 Nearby Star Candidate Aug 2014	M			7.5976753		-0.8155319		75.992	0.0650	60.0389				
4027	HD 97334B	Brown dwarf	L4.5+L6			11	12.427246	35	48.212957	75.997	0.1635	237.2426	-4.28			
4028	2MASS J04474757+2819165	Brown dwarf	L2-3			4	47.793167	28	19.261855	76.015	0.2391	173.9373				
4029	G 132-4	PM	M3.0V			0	33.341837	36	50.441715	76.015	0.2985	284.4795				
4030	sigma CrB C	PM	M2.5V			16	13.937812	33	46.403886	76.015	0.1769	251.1687	-12.32			Coronae Borealis
4031	UPM 2330+5916	UCAC4 Nearby Star Candidate Aug 2014	M			23.50074		59.269033		76.025	0.0632	93.1681				
4032	2MASS J02540582-1934523	Brown dwarf	M8.1V			2	54.097034	-19	-34.87037	76.033	0.0356	336.0041				
4033	2MASS J10192447-2707171	PM	M9.1V			10	19.407345	-27	-7.284633	76.033	0.3670	87.4169				
4034	LP 264-61	PM				11	28.027265	32	54.878421	76.050	0.1742	55.8541				
4035	V* WW PsA	BY Draconis variable	M4IVe			22	44.966105	-33	-15.02855	76.050	0.1281	122.9510	3.2			
4036	UPM 0900+7522	UCAC4 Nearby Star Candidate Aug 2014	M			9.0035802		75.372831		76.059	0.0595	159.9163				

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
4037	LP 659-20	PM				6	12.631914	-8	-26.36307	76.068	0.1490	233.4164				
4038	LP 800-58	PM	M5.5			14	25.222041	-16	-24.9331	76.068	0.2122	86.7671				
4039	Wolf 869	PM	M3.5V			20	7.7109249	18	59.007268	76.068	0.1555	139.7107	-42.79			
4040	LP 802-69	PM	M0Vk			15	29.119515	-17	-22.90713	76.086	0.1275	83.9692	-22.03			
4041	BD-14 1750	PM	K5			7	10.826317	-14	-25.98207	76.121	0.3268	57.2587	70.77			
4042	G 148-43	PM	M3.5Ve			12	19.099235	31	50.7225	76.121	0.1867	87.6609				
4043	LHS 2659	PM				12	59.456669	56	33.773444	76.121	0.3405	261.8974	-0.92			
4044	ULAS J131508.42+082627.4	Brown dwarf	T7.5			13	15.140333	8	26.456667	76.121	0.0640	199.3748				
4045	2MASS J17102828+2758099	PM	M5.5V			17	10.471415	27	58.164105	76.139	0.0529	163.7421				
4046	alf01 Lib	SB	F3V			14	50.686245	-15	-59.83381	76.139	0.0576	230.3865	-23.47			Librae
4047	HD 127334	PM	G5VCH0.3			14	29.613485	41	47.75482	76.139	0.1589	143.8551	-0.35			
4048	LHS 5197	PM				11	47.846198	74	26.71799	76.139	0.2714	256.2865				
4049	2MASS J19541829+1738289	PM				19	54.305504	17	38.487918	76.157	0.1464	305.3955	-40.84			
4050	HD 80545	PM	K6.5Vk:			9	18.147979	-57	-46.1324	76.157	0.2775	10.1904	58.5			
4051	L 495-82	White dwarf	DA4.5			20	43.820159	-39	-3.300348	76.157	0.2040	181.1055				
4052	CE 519	PM				18	47.608297	-33	-42.11252	76.175	0.1788	247.4839				
4053	LSPM J0704+0258	PM				7	4.7843355	2	58.234053	76.175	0.1121	201.0995				
4054	StM 336	PM	M2.5Ve			17	10.424271	27	58.666996	76.175	0.0534	164.5943	-21.2			
4055	TYC 8543-967-1	PM				6	35.371122	-57	-37.58622	76.175	0.0326	18.1885	31.21			
4056	HD 17660	PM	K4.5V			2	50.614898	15	42.594904	76.193	0.3043	139.1134	-28.79			
4057	UCAC4 470-088933	PM				19	6.5468956	3	54.172776	76.193	0.1179	284.5128				
4058	UPM 1905-2819	UCAC4 Nearby Star Candidate Aug 2014	M			19.090619		-28.330511		76.193	0.0377	145.5006				
4059	2MASSI J1457396+451716	PM	M9			14	57.660355	45	17.279462	76.211	0.1301	62.6975				
4060	G 250-49	PM	M1.5Ve			7	32.03365	68	37.258812	76.211	0.1222	235.2921	-18.47			
4061	HD 171314	Flare	K4V			18	33.296002	22	18.855201	76.211	0.2934	200.4602	38.45			
4062	NLTT 56971	PM				23	28.375083	0	28.65904	76.211	0.1040	90.5179	-2.53			
4063	NLTT 58776	PM	M5V			0	1.263709	6	59.591704	76.211	0.2587	259.1780	-1			
4064	TVLM 832-10443	Brown dwarf	M8V			2	52.438359	0	56.376909	76.211	0.1156	235.8081	13			
4065	V* EO Psc	RSCVn	K2.5V			1	29.081616	21	43.390043	76.211	0.2876	111.8481	21.22			
4066	UPM 1703-4405	UCAC4 Nearby Star Candidate Aug 2014	M			17.064542		-44.099635		76.227	0.0677	158.8387				
4067	MCC 124	BY Draconis variable	M0.7V			10	14.319387	21	4.4969548	76.228	0.1312	212.0174	2.7			
4068	CD-43 2523		M0V(k)+M2.5V			6	31.85194	-43	-32.04251	76.246	0.1598	264.0838	17.1			
4069	HD 105065	PM	K5V			12	5.8443408	-18	-52.51496	76.264	0.1862	182.7327	33.54			
4070	HD 212168	PM	G0V			22	25.852572	-75	-0.941292	76.264	0.0343	282.6579	14.51			
4071	NLTT 36724	PM	M2.0Ve			14	15.341266	15	23.058878	76.264	0.1087	132.5285	10.14			
4072	omega Sgr	part of the Terebellum	G5IV		2.82	19	55.839376	-26	-17.96155	76.264	0.1271	286.5905	-16.22			Sagittarii
4073	GD 5	White dwarf	DA7.0			0	11.374369	42	40.682017	76.282	0.1352	192.4395				
4074	GJ 3183	Flare	M4V			2	51.828606	29	29.213391	76.282	0.0970	203.9411	1.19			
4075	UPM 1539-5557	UCAC4 Nearby Star Candidate Aug 2014	M			15.657151		-55.956822		76.294	0.0237	342.1429				

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
4076	UPM 1952-7735	UCAC4 Nearby Star Candidate Aug 2014	M			19.874176		-77.591237		76.294	0.0675	147.1313				
4077	LP 80-77	PM	M3/4.5Ve			1	42.30792	61	47.068893	76.300	0.1226	33.4318	-21.68			
4078	LP 610-53	PM				10	42.279527	-3	-23.66573	76.318	0.1945	143.2781				
4079	UCAC3 120-5118	PM				2	17.08322	-30	-6.361326	76.318	0.0332	124.6897				
4080	BD-22 6219	PM	M0V			23	54.771737	-21	-46.47068	76.336	0.0779	18.2682	-1.9			
4081	EPIC 205036829	PM	M3.5			15	56.573836	-19	-42.69415	76.336	0.2068	182.5306				
4082	GJ 3235 (L 876-3)	PM	M3.87		12.19771968	3	34.660478	-4	-50.5566	76.353	0.3026	127.8856	9.12			Eridani
4083	HD 171314B	PM	M6V			18	33.245928	22	19.29078	76.353	0.2937	199.6604	35			
4084	Ross 203	White dwarf	DA5.0			21	36.273096	-13	-18.57508	76.353	0.1742	118.3232	-11.9			
4085	UPM 0657-7243	UCAC4 Nearby Star Candidate Aug 2014	M			6.953624		-72.725343		76.361	0.0572	100.4872				
4086	LP 291-24	PM	M4			23	50.900444	38	29.556357	76.371	0.1278	202.8305	-1.07			
4087	LP 711-44	PM	M3			3	3.7974658	-12	-51.31998	76.389	0.1512	115.7282				
4088	NLTT 13328	PM				4	28.277259	6	0.2940276	76.407	0.2010	151.0375				
4089	SSSPM J2052-4759	PM	M8e			20	52.468223	-47	-58.73813	76.425	0.2611	179.1400				
4090	SSSPM J2258-4639	PM	M8.5			22	57.821636	-46	-38.74403	76.425	0.1568	41.9803				
4091	V* BF Lyn	BY Draconis variable	K2.5Vke			9	22.432394	40	12.063444	76.425	0.2897	223.6311	-3.2			
4092	Wolf 373	PM	M3			11	16.084594	8	0.2067042	76.425	0.4431	264.7320	111.45			
4093	2MASS J17541784+3302191	UCAC4 Nearby Star Candidate Aug 2014	M			17.90496		33.038677		76.428	0.0500	289.7211				
4094	2MASS J06253604-4815598	PM	M2.5			6	25.600539	-48	-15.99539	76.443	0.0709	229.4335	11.12			
4095	BD+70 639	PM	M2V			10	57.634856	69	35.797002	76.461	0.3682	84.7296	-2.07			
4096	GJ 3662	PM	K4V			11	24.996333	40	0.2112543	76.461	0.0667	260.6595	-13.02			
4097	HD 167425B	PM				18	19.666243	-63	-53.0651	76.461	0.1594	174.8680	0.05			
4098	NLTT 13329	PM				4	28.277677	6	0.2143431	76.461	0.1970	147.8972				
4099	PM J07228-3042	PM				7	22.856321	-30	-42.57293	76.461	0.2910	318.0430				
4100	LHS 3516	PM	M3.5			20	4.1125846	-31	-41.80031	76.479	0.4826	157.2522				
4101	LP 711-43	PM	M3			3	3.6789905	-12	-50.5311	76.479	0.1465	116.1580	15.94			
4102	2MASS J02310452+5245245	PM				2	31.075747	52	45.405021	76.497	0.1656	126.1524				
4103	2MASS J12363959-1722170	PM	M6			12	36.659691	-17	-22.28778	76.497	0.0470	172.9855				
4104	2MASS J22264440-7503425	Brown dwarf	M8			22	26.740284	-75	-3.708835	76.497	0.0346	281.2297	17			
4105	G 56-47	PM				11	34.945003	18	17.130502	76.497	0.2161	186.5043				
4106	2MASSI J0103079+450929	Brown dwarf	M9			1	3.1325222	45	9.48725	76.515	0.2339	91.1692				
4107	G 114-33	PM	M2V			9	5.0740419	2	50.056534	76.515	0.1824	84.6624	25.35			
4108	UCAC4 682-055322	PM				15	34.192646	46	19.713321	76.515	0.1015	304.8725				
4109	RX J1256.0-7417	UCAC4 Nearby Star Candidate Aug 2014	M			12.932007		-74.288776		76.529	0.0227	266.9178				
4110	G 264-18A	PM	M1.5Ve			22	5.7560781	65	38.925113	76.533	0.2211	56.0593	-47.13			
4111	LP 772-15	PM				3	11.711719	-15	-37.55031	76.551	0.1217	150.4781				
4112	G 150-72	PM				14	13.884648	24	47.856083	76.569	0.1696	1.5885				
4113	HD 131582	PM	K3V			14	53.692874	23	20.713412	76.587	0.4807	89.8423	-32.61			
4114	HD 65430	SB	K0V			7	59.565611	20	50.636571	76.587	0.3341	161.6029	-28.47			

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
4115	G 142-10	PM				19	9.6943813	9	48.970198	76.605	0.2186	160.2947				
4116	G 264-18B	PM	M3.5			22	5.7685721	65	38.84481	76.605	0.2194	58.0343				
4117	HD 60491	BY Draconis variable	K1V			7	34.436128	-6	-53.80058	76.605	0.0531	241.7404	-9.62			
4118	UCAC3 118-155140	PM				12	35.624972	-31	-1.107221	76.623	0.0622	300.8351				
4119	L 728-16	PM	K9Vk			2	12.850196	-17	-41.20338	76.641	0.3105	292.3549	35			
4120	LP 675-4	PM				12	22.066462	-6	-29.211	76.641	0.1967	170.6032				
4121	StKM 1-941	PM	M1.0Ve			11	24.979512	2	28.408328	76.641	0.1599	57.7755	0.59			
4122	zeta Aql Deneb el Okab	(Deneb el Okab)	A0IV-Vnn		0.8	19	5.4100817	13	51.806487	76.641	0.0509	182.2744	-25			Aquilae
4123	CD-56 7638	PM	M0.5			19	12.42095	-55	-52.12721	76.659	0.1900	238.4282	17.45			
4124	LP 794-53	PM				12	20.08493	-18	-12.99146	76.659	0.1324	79.1178	0.7			
4125	LP 878-3	PM	M5.0V			23	33.677192	-21	-33.88479	76.659	0.4475	115.5191	27.9			
4126	Ross 1021	PM	M2.5Ve			13	36.920469	22	58.015412	76.659	0.1154	148.9332	-14.89			
4127	UCAC4 081-035372	PM				14	32.165272	-73	-57.65064	76.659	0.0959	293.3542				
4128	UCAC4 265-183971	PM				19	8.3685391	-37	-5.466723	76.659	0.1428	133.9398				
4129	epsilon Cet	SB	F5V			2	39.56329	-11	-52.32586	76.677	0.1638	144.9665	15.49			Ceti
4130	LP 772-14	PM				3	11.706797	-15	-37.31107	76.677	0.1195	149.6634				
4131	LP 930-61	White dwarf	DC			21	55.010011	-27	-50.6359	76.677	0.1420	312.1884				
4132	G 167-29	PM	M2.0V			15	15.117484	33	18.043143	76.695	0.2110	194.4555	-21.66			
4133	G 255-55	PM	M2.0Ve			14	32.045186	73	49.419862	76.695	0.1281	238.1582	-11.8			
4134	UPM 0418-2406	UCAC4 Nearby Star Candidate Aug 2014	M			4.3017941		-24.106688		76.697	0.0803	105.2952				
4135	2MASS J21540252-4754023	PM				21	54.042405	-47	-54.0395	76.713	0.1055	295.0950				
4136	HD 132142	PM	K1V			14	55.184067	53	40.820785	76.731	0.6298	63.7884	-14.69			
4137	HD 26491	PM	G1V			4	7.360515	-64	-13.34111	76.731	0.2241	331.0178	28.5			Reticuli
4138	LP 758-48	PM				21	50.80316	-10	-39.1022	76.731	0.1445	188.5454				
4139	G 43-24	PM	M3.5			10	3.556023	5	57.80033	76.749	0.3420	253.7962				
4140	HD 187456	PM	K3+V			19	56.26917	-72	-21.85777	76.749	0.1741	182.3624	-13.02			
4141	HD 218868	PM	G8V			23	10.834641	45	30.736259	76.749	0.1743	196.8357	-30.58			
4142	UCAC4 262-076018	PM				14	50.04754	-37	-42.16308	76.749	0.2562	215.0826				
4143	UCAC4 485-002908	PM				2	3.4314181	6	48.016652	76.749	0.0890	142.0581	1.77			
4144	23 UMa (h Uma)	PM	F0IV		1.83	9	31.528507	63	3.7117672	76.767	0.0640	283.7807	-10.4			Ursae Majoris
4145	2MASS J06082242-7904446	PM				6	8.3735166	-79	-4.74646	76.767	0.1580	140.5621				
4146	LP 645-46	White dwarf	DA			0	32.164307	-2	-54.02749	76.767	0.3828	283.3379				
4147	SCR J2122-3838	White dwarf	DC			21	22.093196	-38	-38.57798	76.767	0.1051	110.8349				
4148	GJ 3729		M3.5V		12.1254902	12	29.04865	41	43.823069	76.776	0.1664	220.9471	-1.7			Canum Venaticorum
4149	BD+51 1697	PM	K4V			11	47.058314	50	58.308368	76.785	0.0720	150.2632	0.36			
4150	CD-46 2096	PM	M:			5	56.935843	-46	-55.89609	76.785	0.2865	352.2770				
4151	G 14-34	PM	M3.0V			13	8.853549	-1	-31.12586	76.785	0.2356	88.8591				
4152	G 246-36	PM				3	26.531729	59	8.9135697	76.785	0.1559	135.6985				
4153	HD 39855	PM	G8VFe-0.7			5	54.502603	-19	-42.2609	76.785	0.0566	106.1867	42.3			
4154	Ross 163	BY Draconis variable	M2V			19	21.857172	28	39.970115	76.785	0.5247	286.4696	-30.08			
4155	2MASS J14194671+3137037	UCAC4 Nearby Star Candidate Aug 2014	M			14.329645		31.617712		76.797	0.0608	101.5894				

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
4156	G 161-51	PM	M3.5			9	36.080342	-6	-6.932388	76.803	0.4349	244.0409				
4157	G 251-27	PM	M3.0Ve			7	9.5401037	69	50.956939	76.803	0.1888	213.2845				
4158	LP 324-70	PM				14	6.8577715	31	33.786805	76.803	0.2146	171.3849				
4159	LP 844-33	PM	M5.0Ve			8	56.294667	-23	-26.95667	76.803	0.2417	80.3971				
4160	HD 90875	PM	K4/5V			10	30.783192	59	45.065697	76.822	0.3052	236.5892	5.03			
4161	L 59-3	PM	M3			6	32.365606	-69	-57.73088	76.822	0.3997	338.7038	20.64			
4162	LP 783-21	PM	M3.5			7	53.623466	-18	-57.95954	76.822	0.1611	206.2859				
4163	2MASSW J1045171-260724	Brown dwarf	M8			10	45.286153	-26	-7.418684	76.840	0.1317	229.5822				
4164	2MASSW J1239272+551537	Brown dwarf	L5V			12	39.45455	55	15.619333	76.840	0.0962	283.2802	-48			
4165	2MASS J21371044+1450475	Brown dwarf	L0.8V			21	37.174251	14	50.794917	76.858	0.1209	229.0077				
4166	G 205-20	PM	K6V			18	25.532148	38	21.211195	76.876	0.4357	185.9014	20.93			
4167	LTT 8515	PM	M3.5V			21	26.881841	-44	-48.77528	76.876	0.1788	305.1830				
4168	2MASS J00521529-6201545	PM				0	52.255469	-62	-1.906181	76.894	0.6358	276.9134				
4169	2MUCD 20870	Brown dwarf	L2			20	36.052715	10	51.492967	76.894	0.1268	214.6501	19.66			
4170	BD-14 249	PM	M1V			1	17.262078	-13	-15.79581	76.894	0.2123	273.3397	16.77			
4171	LHS 2591	PM				12	37.981262	-9	-29.92788	76.894	0.4343	139.0488				
4172	Mu2 Cnc 10	subgiant	G1IVb			8	7.7642635	21	34.908874	76.912	0.0419	160.8845	-35.95			Cancri
4173	UCAC3 187-3515	Star				1	11.224809	3	6.681471	76.912	0.0253	55.2882				
4174	UCAC4 373-060587	PM				10	30.175	-15	-26.1385	76.912	0.0901	58.0536				
4175	HD 23040	PM	K2			3	42.989371	31	39.158768	76.930	0.0438	312.1075	-21.35			
4176	LP 109-57	PM M Sub-dwarf high metallic: Titanium & Calcium	sdM3			22	58.252381	61	44.442618	76.930	0.1307	96.2290				
4177	LP 860-5	PM				15	32.589088	-23	-33.99001	76.930	0.1646	173.1815				
4178	UPM 1446-4539	UCAC4 Nearby Star Candidate Aug 2014	M			14.772031		-45.663251		76.932	0.0318	231.3075				
4179	2MASS J01380110-6029559	PM Red & White dwarf stars Subasavage 2004				1	38.018874	-60	-29.93373	76.949	0.3342	275.3968				
4180	CD-44 170	PM	M0.5			0	39.980397	-44	-15.19302	76.949	0.3089	114.5788	12.25			
4181	LP 522-46	White dwarf	DA			23	25.3312	14	3.6601664	76.949	0.2093	288.5079				
4182	2MASS J04413498-6505363	UCAC4 Nearby Star Candidate Aug 2014	M			4.6930604		-65.093448		76.965	0.0518	289.1473				
4183	HD 188559	PM	K3+V			19	58.549737	-54	-56.2135	76.967	0.0956	138.6695	16.73			
4184	UCAC3 252-86299	PM	M2.5V			7	12.992223	35	47.053164	76.967	0.0388	92.8082	-24.99			
4185	gamma Tuc	giant	F4V			23	17.42918	-58	-14.14512	76.985	0.0504	5.1520	18.4			Tucanae
4186	2MASS J18105253-0708497	PM				18	10.875603	-7	-8.832771	77.003	0.2047	178.9306				
4187	HAT 188-01579	RotV				13	36.000426	40	24.198096	77.003	0.0276	304.3845				
4188	HD 203985	PM	K2III-IV			21	27.021965	-44	-48.51646	77.003	0.1844	306.7827	10.08			
4189	SDSS J133559.70+402146.1	Candidate_Brown dwarf				13	35.994895	40	21.76658	77.003	0.0267	306.5136				
4190	HD 214953 (HIP 112117)		F9V	M1		22	42.615	-47	-12.63333	77.003	0.1927	178.9206	16.9			Gruis
4191	2MASS J01410321+1804502	Brown dwarf	L0.8V			1	41.054212	18	4.8362528	77.021	0.2404	97.6712	24.65			
4192	88 Leo B	PM	K5			11	31.740297	14	22.094618	77.021	0.2201	240.0804	-5.41			Leonis
4193	LHS 3033	PM	M4V			15	11.933733	17	57.291833	77.021	0.4078	216.2978	-48			
4194	BD+29 5007	PM	K5V			23	50.464365	30	21.195485	77.039	0.1487	272.4085	-3.63			

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
4195	LHS 2886	PM	M2.0			14	16.7016	36	0.8477457	77.039	0.3024	147.5390	-19.01			
4196	LP 890-2	PM	M6V			4	13.663812	-27	-4.488299	77.039	0.1537	99.1369				
4197	LTT 6528	PM	M3			16	22.682623	-48	-39.33361	77.039	0.4428	230.4576	64.82			
4198	SCR J1856-4011C	PM				18	56.987145	-40	-11.69479	77.039	0.1176	170.7329				
4199	NLTT 43210	PM				16	36.932488	27	24.374783	77.058	0.2008	171.0596				
4200	UCAC4 411-057663	PM	M4.0V			14	21.567733	-7	-55.27717	77.058	0.0760	228.1645				
4201	UPM 0002-2148	UCAC4 Nearby Star Candidate Aug 2014	M			0.0441303		-21.809411		77.066	0.0341	23.2371				
4202	2MASSW J0208183+254253	Brown dwarf	L1V			2	8.3064148	25	42.886482	77.076	0.2193	94.5294				
4203	CD-41 14656	PM	M0			21	49.99643	-41	-14.70235	77.076	0.1965	46.4459	-10.03			
4204	LEHPM 2- 505	White dwarf	DZ			6	21.694006	-40	-16.31422	77.076	0.2141	165.1445				
4205	LTT 9582	PM	M3			23	32.003066	-39	-17.61966	77.076	0.1534	134.4620	10.9			
4206	88 Leo		F9.5V			11	31.749077	14	21.870219	77.094	0.2217	240.0789	-4.81			Leonis
4207	BD+34 4298	Star	A1IV			21	8.7496675	35	29.34897	77.094	0.0051	122.5368				
4208	HD 191499		G9V			20	9.5717382	16	48.345762	77.094	0.1016	358.4737	-31.11			
4209	[SLS2012] PYC J02035+0648	PM				2	3.5370458	6	48.983742	77.112	0.0890	142.9418				
4210	V* EZ Cet	BY Draconis variable	G3V			1	49.389175	-10	-42.21699	77.112	0.1035	245.1142	-3.89			
4211	2MASSW J0832045-012835	Brown dwarf	L1.5V			8	32.075309	-1	-28.60063	77.131	0.0369	279.5265				
4212	BD+20 3009	PM	K5V			14	42.437629	19	30.211445	77.131	0.1839	235.6429	-28.35			
4213	GJ 3741	PM	M1V			12	41.631542	48	14.413258	77.131	0.1559	126.0974				
4214	LP 827-167	PM	M4.5			1	23.52884	-23	-45.69383	77.131	0.1749	221.9822				
4215	Ross 1042	PM	M2.0Ve			15	1.1963796	35	27.248678	77.131	0.1818	151.0086	14.62			
4216	iota Leo (Tsze Tseang)		F3 V			11	23.924212	10	31.770325	77.131	0.0943	119.2266	-11.8			Leonis
4217	2MASSI J2329479-160755	Brown dwarf	M9			23	29.798326	-16	-7.933285	77.167	0.3141	175.3657				
4218	G 115-59	PM	M1V			9	11.513604	46	37.023711	77.167	0.2052	262.7581	59.08			
4219	Ross 592	PM	M1.5Ve			4	19.994789	36	29.189429	77.167	0.2892	155.3367	45.59			
4220	LP 24-256	PM	M5V			18	31.934505	77	30.616476	77.186	0.0836	350.6241	-16.9			
4221	MCC 44	PM	M1.0V			13	17.973265	36	17.947974	77.186	0.2007	192.0926	25.2			
4222	UPM 0040-0713	UCAC4 Nearby Star Candidate Aug 2014	M			0.681714		-7.2295589		77.200	0.0475	183.8607				
4223	L 218-9	PM	M4			0	16.609583	-50	-16.14122	77.204	0.2490	309.0251	1.74			
4224	UCAC2 23854030	PM	M3.0V			8	53.181894	-20	-17.2907	77.204	0.0717	162.8733	-1.28			
4225	UCAC3 34-143909	PM				23	59.646057	-73	-9.314358	77.204	0.2095	298.4581	8.19			
4226	UPM 0054+0509	UCAC4 Nearby Star Candidate Aug 2014	M			0.902862		5.1580308		77.234	0.0266	116.6773				
4227	G 214-14	PM	M0.0Ve			22	11.28252	41	0.913853	77.259	0.1827	42.1743	8.63			
4228	SCR J0905-0841	PM				9	5.7208608	-8	-41.97311	77.259	0.2008	119.8102				
4229	UPM 0610+0259	UCAC4 Nearby Star Candidate Aug 2014	M			6.1786125		2.9966067		77.268	0.0563	259.9440				
4230	2MASS J01341139+6459360	PM	M5.5V			1	34.190435	64	59.601693	77.277	0.5339	284.2724	0			
4231	LHS 1355	PM	M3.5			2	12.662841	-33	-52.10397	77.277	0.5013	285.8316				
4232	2MASS J04551182+5252292	PM	M8Ve			4	55.196902	52	52.486722	77.314	0.4717	188.1069	-30			
4233	CD-61 6651	PM	K5.5V			21	59.534887	-60	-55.97834	77.314	0.0550	186.1909	27.04			

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
4234	HD 142288	PM	K5V			15	54.64048	-26	-0.250825	77.314	0.1466	66.3419	5.49			
4235	LEHPM 3263	PM	M5.5e			3	20.981133	-55	-20.26192	77.314	0.2319	311.5615				
4236	LSPM J1734+6333	PM				17	34.379954	63	33.441378	77.314	0.1112	107.5291				
4237	Ross 874	PM	M0V			7	4.8274266	24	59.916402	77.314	0.1898	212.4053	15.61			
4238	HIP 55052	PM	K7Vk			11	16.11317	-30	-10.68985	77.332	0.1849	73.5431	-2.51			
4239	LP 776-12	PM				4	48.501238	-15	-44.86712	77.332	0.1472	138.6862				
4240	zeta Cnc B (zet02 Cnc)	B gamma delta	F8 V & G0 V	dG2 & wdv	3.9	8	12.213167	17	38.853833	77.340	0.0728	136.5866	-10.7			Cancri
4241	CD-27 16	PM	M0V			0	9.0726395	-27	-7.327998	77.350	0.4061	277.4190	20.37			
4242	LHS 2777	PM	M4.5			13	40.316255	47	12.482655	77.350	0.3293	149.2166				
4243	LSPM J1433+2432	PM				14	33.149946	24	32.104181	77.350	0.1155	261.0343				
4244	BD+45 4188	PM	M0.5Ve			23	18.298935	46	17.357383	77.369	0.2067	292.2752	-6.13			
4245	BD-21 397	PM	K7V			2	13.202744	-21	-11.7873	77.369	0.2208	278.4538	3.19			
4246	2MASS J03100053+0726506	Brown dwarf	M7.5			3	10.008371	7	26.841704	77.387	0.3574	293.5204				
4247	LHS 1228	PM	M2			1	18.266834	-12	-53.98967	77.387	0.4059	165.5598	7.57			
4248	LP 331-57	RotV	M2.4V			17	3.8809683	32	11.766083	77.387	0.1167	298.3027	-5.5			
4249	LP 670-16	PM				10	35.13141	-7	-32.60065	77.387	0.1973	201.2680				
4250	G 206-41	PM				18	42.62018	31	11.09601	77.406	0.2339	215.4354				
4251	LP 843-16	PM	M2			8	14.376143	-25	-42.31783	77.406	0.1450	194.6734	83.97			
4252	V* KU Lib	BY Draconis variable	G8Vk:			14	40.518439	-16	-12.55755	77.406	0.0755	239.3742	-22.88			
4253	2MASS J06595849+1717162	PM				6	59.975061	17	17.26332	77.424	0.2690	171.6563				
4254	HD 131923	PM	G4V			14	58.146677	-48	-51.77728	77.424	0.1915	182.6295	32.11			
4255	SCR 1953-4611	UCAC4 Nearby Star Candidate Aug 2014	M			19.891034		-46.192269		77.435	0.0672	356.0309				
4256	UPM 2127-6841	UCAC4 Nearby Star Candidate Aug 2014	M			21.464038		-68.684244		77.435	0.0529	160.7873				
4257	LP 664-22	PM	M3.0			8	11.877148	-8	-55.21665	77.442	0.1481	52.6387				
4258	BPM 28050	PM	M0.5			22	55.453554	-52	-18.16247	77.461	0.0961	122.4403	3.47			
4259	eta Ind	PulsVdelSct	A9IV			20	44.038914	-51	-55.25843	77.461	0.0961	109.0250	-1.6			Indi
4260	SCR J1608-4442	PM red / white dwarf stars Subasavage 2005				16	8.7323581	-44	-42.47779	77.461	0.3639	193.2723				
4261	2MASS J08051104-3158115	Brown dwarf	M8			8	5.1836989	-31	-58.19107	77.479	0.1483	69.1612				
4262	CD-34 5622	PM	K7Vk:			9	8.8684306	-34	-50.56228	77.479	0.1991	135.8977	-11.45			
4263	EGGR 536	White dwarf	DC:			12	50.128916	54	47.102867	77.479	0.7468	192.5088				
4264	UCAC3 132-425379	PM				19	38.614676	-24	-16.97761	77.498	0.0439	333.6387				
4265	V* BZ Cet	BY Draconis variable	K2.5Vk			3	0.0468675	7	44.985291	77.498	0.1912	273.7065	28.87			
4266	CD-43 2523B	PM	M2.5V			6	31.848346	-43	-32.08982	77.516	0.1537	267.1480				
4267	HD 90884	Star	K3.5Vk:			10	28.392497	-51	-42.3158	77.516	0.0266	137.8874	-0.28			
4268	UCAC4 779-026153	PM	M3.0			14	25.477043	65	41.86092	77.516	0.0879	288.7023				
4269	HD 122120	PM	K5V			13	59.323385	22	52.185071	77.535	0.0939	85.4074	-57.29			
4270	HD 34865	PM	K3.5Vk:			5	19.992951	-15	-50.37874	77.535	0.1574	320.0958	-14.3			
4271	LP 755-20	PM				20	29.216332	-11	-11.05355	77.535	0.1941	256.4107	-0.16			
4272	Ross 625	PM	M3.0Ve			9	1.1745944	1	56.587556	77.535	0.2263	255.8090				
4273	HD 12846	PM	G2V			2	6.5040591	24	20.039535	77.553	0.0860	177.6397	-4.57			

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
4274	HD 108581	PM	K5Vk:			12	28.526571	-18	-17.83735	77.571	0.1436	135.9151	-5.3			
4275	2MASS J00091870-5505573	PM				0	9.3118221	-55	-5.957238	77.590	0.1302	124.1920	-4.43			
4276	2MASSI J0810586+142039	PM	M8V			8	10.977467	14	20.646324	77.590	0.0785	198.4335	27.4			
4277	BD+38 4818		M0.0Ve			22	37.498474	39	22.860652	77.590	0.2091	188.9302	-57.28			
4278	G 31-42	PM				0	19.079721	4	20.885745	77.590	0.2619	240.8721				
4279	LHS 2476	PM	M3.5			11	55.738025	-18	-54.52683	77.590	0.3544	120.8755				
4280	LSPM J0721+3714	PM	M5.5e			7	21.423083	37	14.097086	77.590	0.3326	236.6417	60			
4281	UCAC4 387-061888	PM				14	5.3083291	-12	-36.02506	77.590	0.0726	317.9394	-9.11			
4282	HIP 93072		K9Vk:			18	57.544168	-19	-2.781098	77.608	0.0886	320.1583				
4283	2MASS J18394841+1648497	PM				18	39.807202	16	48.826422	77.627	0.0966	126.9177				
4284	UPM 0138-5904	UCAC4 Nearby Star Candidate Aug 2014	M			1.6341985		-59.067806		77.637	0.0614	105.1028				
4285	2MASS J11460347-4841374	PM				11	46.058013	-48	-41.62829	77.645	0.1540	166.6359				
4286	G 133-48	PM	M6V			1	53.825984	44	27.4761	77.645	0.1506	111.9601	10			
4287	HD 111312	BY Draconis variable	K2.5Vk:			12	48.538492	-15	-43.16838	77.645	0.0545	298.6617	0.62			
4288	HD 202628	PM	G5V			21	18.454489	-43	-20.0791	77.645	0.1415	275.1043	12.13			
4289	2MASS J11333555+4905254	Star				11	33.592502	49	5.4235617	77.664	0.0221	328.5380				
4290	BD+42 2810	PM	K7V			17	12.91825	42	19.909796	77.664	0.6296	251.0466	7.68			
4291	EPIC 203711238	PM	M4.5			16	12.170888	-25	-12.17038	77.682	0.1630	154.8405				
4292	G 229-30	PM				19	17.978114	58	59.027391	77.701	0.2220	202.0784				
4293	LP 584-75	PM				0	12.044612	2	6.3947949	77.701	0.1795	282.2477				
4294	G 237-51	PM	M3.0Ve			12	12.252212	71	25.390517	77.719	0.2382	65.4377				
4295	LP 687-45	PM				17	18.53846	-7	-39.25439	77.719	0.1841	241.6801				
4296	2MASS J16573454+1054233	Brown dwarf	L1.4V			16	57.5759	10	54.391072	77.738	0.0771	226.5262				
4297	L 48-4	PM				21	44.688121	-74	-21.95379	77.738	0.2353	193.0758				
4298	LHS 2779	PM				13	40.410562	12	13.393656	77.738	0.3295	263.5113				
4299	UCAC4 758-051724	PM	M2.0Ve			18	48.778538	61	35.124343	77.738	0.1012	114.3879	-43.24			
4300	G 189-32	PM	M3.0			22	42.305929	31	16.805444	77.757	0.1456	195.7199				
4301	G 202-29	PM	M3.5			16	4.8725833	48	27.684333	77.757	0.2197	247.9169				
4302	G 222-18	PM	M3.0Ve			7	49.326517	84	58.635252	77.757	0.2235	203.5758				
4303	LHS 1042	PM	M6			0	13.77674	-4	-57.61974	77.757	0.3620	105.1472				
4304	LP 792-14	PM				11	19.802703	-16	-32.63275	77.757	0.2098	80.5939				
4305	LP 874-18	PM				21	42.421882	-26	-24.06779	77.757	0.1805	187.2584				
4306	LP 97-817	PM M Sub-dwarf high metallic: Titanium & Calcium	sdM5			14	21.631731	56	27.301486	77.757	0.2040	33.3650				
4307	LHS 2826	UCAC4 Nearby Star Candidate Aug 2014	M			13.939057		-28.063805		77.771	0.2913	261.7453				
4308	2MASS J04182335-5004233	PM				4	18.388932	-50	-4.402358	77.775	0.4292	159.3832				
4309	SCR J1927-0355	PM				19	27.718316	-3	-55.92054	77.775	0.1112	359.8936				
4310	2MASS J08430943-2937304	PM	M			8	43.157472	-29	-37.51318	77.794	0.2964	146.2477				
4311	G 267-69	PM				0	18.746405	-34	-50.25157	77.794	0.1598	185.6120				
4312	UCAC4 466-003270	PM	M4.0V			2	27.45939	3	10.916318	77.794	0.0708	261.9812	0.9			
4313	UCAC4 585-045359	PM				10	4.6323511	26	56.758003	77.794	0.1170	180.7245				

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
4314	UCAC4 699-125015	PM				23	45.67929	49	42.499329	77.794	0.3337	236.9977	-46			
4315	UCAC3 16-28859	PM				17	6.8341982	-82	-11.69868	77.812	0.1719	217.4859	-231.48			
4316	2MASS J04485783+3648237	PM				4	48.963838	36	48.387575	77.831	0.2127	181.4620				
4317	HD 45270	PM	G1V			6	22.515687	-60	-13.11905	77.831	0.0381	10.2076	31.6			
4318	LP 673-63	PM	M6e			11	36.682868	-7	-55.19992	77.831	0.1303	53.2689				
4319	LP 772-73	Flare	M3.5			3	28.652377	-15	-37.5548	77.831	0.1187	281.5203				
4320	UCAC4 312-101210	PM				17	2.1374301	-27	-40.41035	77.831	0.1488	210.5048				
4321	G 196-37	PM	M4.5V			10	36.802535	50	55.067135	77.849	0.1901	129.2501	-36			
4322	G 75-55	PM	M0.5			2	58.334755	0	59.557257	77.849	0.1464	178.8801	-31.07			
4323	HD 119332	PM	K0V			13	41.223417	56	43.630369	77.849	0.0422	13.8695	-8.16			
4324	2MASS J05301783+2956253	PM				5	30.297391	29	56.417688	77.868	0.1015	179.9488				
4325	2MASS J18255597-5745017	PM				18	25.932895	-57	-45.02623	77.868	0.1861	357.3916				
4326	BD+29 2279	PM	M0.5Ve			12	19.401517	28	22.942345	77.868	0.3796	83.0456	-0.83			
4327	UCAC3 26-69093	PM				21	54.823882	-77	-20.20526	77.868	0.1709	122.4505	-12			
4328	37 Cet		F5 V	?		1	14.400688	-7	-55.36954	77.886	0.1770	336.0162	21.6			Ceti
4329	GJ 3307	PM	M2.0Ve			4	40.708223	2	13.863697	77.887	0.1025	289.1986	53.4			
4330	HD 92719	PM	G1.5V			10	42.222014	-13	-47.26279	77.887	0.1693	126.3153	-17.91			
4331	LP 795-38	PM	M4.0			12	37.359427	-20	-52.59177	77.887	0.2500	185.3691	922.98			
4332	LP 855-34	PM	M4			13	34.393387	-26	-22.19649	77.887	0.4603	243.0900	-17.07			
4333	UCAC3 294-116267	PM	M3.5V			12	41.789427	56	45.228537	77.887	0.0676	90.3349	-8.7			
4334	L 805-8	PM	M2.5			3	46.756879	-11	-17.70737	77.905	0.3438	282.0148				
4335	2MASS J15072779-2000431	PM	M7.5			15	7.463512	-20	-0.721826	77.943	0.0706	127.1745	-2.5			
4336	LSPM J1327+0149	PM				13	27.515808	1	49.639481	77.943	0.1028	87.6986				
4337	L 591-42	PM	M3			4	36.680756	-27	-21.30396	77.961	0.2027	235.6337	9.04			
4338	LHS 3401	PM	K2.5V			18	40.914704	31	31.984826	77.961	0.4893	174.2324	28.5			
4339	LP 651-17	PM	M5.5V			2	50.040753	-8	-8.69158	77.961	0.3351	280.0451				
4340	UCAC3 35-25949	PM				6	57.217525	-72	-43.51983	77.980	0.0572	100.4872				
4341	UCAC4 752-059115	PM	M3.0V			19	52.407802	60	22.240245	77.980	0.0747	168.6163	-9.58			
4342	2MASS J19355445+5658586	PM				19	35.907543	56	58.974026	77.999	0.1048	182.8518				
4343	b01 Cyg	RSCVn	G8.5IVa			20	6.3627905	35	58.348124	77.999	0.2875	207.0846	-32.98			Cygni
4344	BD+00 444	PM	K7V			2	40.714551	1	11.920663	77.999	0.2133	309.2177	73.41			
4345	BD-05 5480		M1			21	8.7581702	-4	-25.60822	77.999	0.0433	258.4417	2.9			
4346	LHS 6166	PM				9	13.384153	3	40.709724	77.999	0.2458	259.5209				
4347	UPM 0825-2225	UCAC4 Nearby Star Candidate Aug 2014	M			8.4190749		-22.420391		78.006	0.0640	79.9981				
4348	UPM 1737+1726	UCAC4 Nearby Star Candidate Aug 2014	M			17.63154		17.439253		78.006	0.0321	164.4537				
4349	UPM 2249-5140	UCAC4 Nearby Star Candidate Aug 2014	M			22.831576		-51.670142		78.006	0.0485	197.9568				
4350	2MASS J16210447-3711373	PM				16	21.074673	-37	-11.62537	78.017	0.1781	191.4935				
4351	UPM 0548-5036	UCAC4 Nearby Star Candidate Aug 2014	M			5.8075366		-50.615327		78.040	0.0781	52.0539				
4352	G 60-38	PM				12	49.986112	3	57.795096	78.055	0.2534	254.5737				

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
4353	HD 232781	PM	K3.5V			3	21.912606	52	19.891299	78.055	0.2371	229.5086	-40.3			
4354	L 591-43	PM	M3.5			4	36.663761	-27	-22.09941	78.055	0.2031	235.3247				
4355	UCAC4 664-074350	PM	M3.5V			19	24.349677	42	37.424387	78.055	0.0549	65.5129	5.13			
4356	G 175-38					4	35.206636	58	21.161031	78.073	0.2189	146.1167				
4357	G 238-52	PM				13	50.95583	62	25.115733	78.092	0.2338	251.7834				
4358	G 271-110	PM	M3.5V			1	36.919616	-6	-47.63331	78.092	0.1153	122.0054	12.2			
4359	G 82-41	PM				4	42.126162	4	44.493178	78.092	0.1918	202.6402	19.12			
4360	GJ 1041B (BD+02 305B)	PM Border area with Ceti	M3V			1	59.210059	3	31.189896	78.092	0.1569	279.2831	-9.48			Piscium
4361	HD 176377	PM	G1V			18	58.850052	30	10.838576	78.092	0.1177	344.0464	-40.54			
4362	UCAC2 19537890	Star				19	29.177819	-29	-32.19295	78.092	0.0274	53.7135				
4363	2MASS J04242150+3706208	UCAC4 Nearby Star Candidate Aug 2014	M			4.4059776		37.105745		78.107	0.0273	250.9465				
4364	2MASS J18015266-2706540	PM				18	1.8777005	-27	-6.906365	78.111	0.3338	205.6612				
4365	L 40-109	White dwarf	DA8.5			14	42.858579	-78	-23.89448	78.111	0.2400	86.0608				
4366	LHS 1694	PM				4	40.694133	-12	-43.53951	78.111	0.4051	111.4806				
4367	2MASS J17392515+2454421	Brown dwarf	L2			17	39.419249	24	54.706363	78.129	0.3522	172.3698				
4368	HD 224465	PM	G4V			23	58.113555	50	26.860699	78.129	0.1446	10.6169	4.31			
4369	LP 990-140	PM	M1V			0	53.397539	-41	-14.31025	78.129	0.1219	175.8246				
4370	BD+39 2801	PM	K7Ve			14	48.023759	38	27.97404	78.148	0.0851	207.0980	-12.86			
4371	G 69-62	PM	M0V			1	16.655976	25	19.888685	78.148	0.2567	103.4655	-23.19			
4372	LP 728-12	PM				7	34.331461	-13	-14.70238	78.167	0.2503	261.6639				
4373	HD 20619	PM	G1.5V			3	19.031573	-2	-50.59155	78.186	0.1588	111.6624	22.78			
4374	LP 908-5	PM	M6.5V			12	1.701313	-27	-37.77154	78.186	0.1878	237.8965				
4375	NLTT 18869	low-mass	M6			8	3.7448854	8	27.000243	78.186	0.1262	200.3062				
4376	2MASS J04393348+4132488	PM				4	39.558947	41	32.815891	78.205	0.2705	286.1168				
4377	2MASSW J0149090+295613	Brown dwarf	M9.7V			1	49.150013	29	56.208901	78.205	0.2743	158.2864				
4378	HD 185414	PM	G0			19	35.926554	56	59.034696	78.205	0.1190	178.4255	-16.18			
4379	UPM 1232-7654	UCAC4 Nearby Star Candidate Aug 2014	M			12.546685		-76.906626		78.208	0.0233	251.3386				
4380	G 77-24	PM				3	7.5351362	-6	-36.79092	78.223	0.2565	152.8241				
4381	HD 49095	PM	F6.5V			6	45.382341	-31	-47.61887	78.223	0.2237	214.3891	28.87			
4382	2MASS J22025453-6440441	UCAC4 Nearby Star Candidate Aug 2014	M			22.048473		-64.678958		78.241	0.0629	151.6347				
4383	2MASS J18584541+1504496	PM				18	58.756938	15	4.8281198	78.242	0.1052	316.4421				
4384	EGGR 353	White dwarf	DA9			11	45.742798	63	5.9858814	78.242	0.2328	210.4735				
4385	UCAC4 644-064660	PM	M3.5V			19	5.2225372	38	45.088388	78.242	0.0769	10.5484	-44.6			
4386	BD+67 1424	PM	K5-V			22	16.529811	68	20.387572	78.261	0.2205	91.5828	-4.93			
4387	G 59-34	PM	M3.5V			12	41.483422	19	5.0087929	78.261	0.1833	166.5279	-7			
4388	GD 31	White dwarf	DA2.9			2	34.128785	-5	-11.6555	78.261	0.1517	290.6643	20.4			
4389	TYC 7426-1779-1	Star				19	41.374454	-31	-2.930709	78.261	0.0046	280.8855				
4390	2MASS J21580671+5836379	PM				21	58.11217	58	36.632094	78.280	0.3704	299.9168				
4391	G 196-19	PM	M2.5			10	20.629225	49	17.755698	78.280	0.2284	249.8366	60.59			
4392	HD 134060	PM	G0VFe+0.4			15	10.745717	-61	-25.33936	78.280	0.1082	266.2740	37.84			

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
4393	LP 225-65	PM	M6.0			16	47.096006	41	17.111177	78.280	0.1717	5.9484				
4394	2MASS J02532721-2336579	PM				2	53.45363	-23	-36.96472	78.298	0.1782	314.1518				
4395	LP 288-31	PM	M6			22	33.797681	35	47.788469	78.298	0.1394	171.8688				
4396	G 201-49	PM	M4.5			15	26.552833	55	22.343333	78.317	0.1512	25.2833				
4397	HD 7438	PM	K1(V)			1	14.373849	-7	-54.65422	78.317	0.1735	335.5593	21.89			
4398	LSPM J1832+2030		M5V			18	32.0485	20	30.968333	78.317	0.1231	192.0002	-18			
4399	LP 891-46	PM				4	59.406603	-30	-55.96309	78.336	0.2142	277.9426				
4400	V* EX Cet	BY Draconis variable	K0/1V			1	37.591114	-6	-45.62552	78.336	0.1152	119.7309	11.71			
4401	HD 111456 (HIP 62512)		F5V		3.91	12	48.657758	60	19.190378	78.336	0.0653	102.1568	-6.21			Ursae Majoris
4402	2MASS J21013344+3957037	PM				21	1.5571635	39	57.060336	78.374	0.0858	88.9774	28.22			
4403	GD 1072	White dwarf	DC			2	3.0721541	-12	-29.02893	78.374	0.0729	198.1587				
4404	HD 10853	PM	K3.5V			1	46.645292	12	24.706419	78.374	0.0472	157.3704	21.49			
4405	HD 57901	PM	K3-V			7	23.784436	12	57.883145	78.374	0.2521	168.7740	37.95			
4406	Ruiz 207-61	Brown dwarf	M8.8V			7	7.8880391	-49	-0.838417	78.374	0.2315	2.1590	113			Columbae
4407	UCAC4 605-052397	PM	M2.5Ve			15	21.011408	30	57.020177	78.374	0.0578	259.5713				
4408	G 78-4	PM	M0.5Ve			2	45.661305	44	56.925481	78.393	0.2496	106.9187	35.98			
4409	LP 754-8	PM	M4.5V			19	57.866252	-10	-53.08692	78.393	0.2821	233.6358				
4410	UPM 1742-0647	UCAC4 Nearby Star Candidate Aug 2014	M			17.706186		-6.7997225		78.409	0.0237	45.1989				
4411	LAWD 4	White dwarf	DA5.0			0	26.678933	-55	-24.7354	78.412	0.3156	213.4360				
4412	2MASS J05331027-3908557	PM red / white dwarf stars Subasavage 2005				5	33.171394	-39	-8.923687	78.430	0.2679	342.8873				
4413	CD-45 9206 (HIP 70849)	PM	K7Vk			14	29.309404	-46	-27.82892	78.430	0.1201	192.2973	-0.03	1g	0.2	
4414	GJ 9809	Flare	M0.3V			23	6.0807745	63	55.572558	78.430	0.1067	108.7296	-22.8			
4415	USNO-B1.0 0560-00310109	Brown dwarf	L1.3V			14	9.0518569	-33	-57.94156	78.430	0.0577	296.9177				
4416	2MASS J13105199-7107108	PM				13	10.866969	-71	-7.178117	78.449	0.3399	248.3250				
4417	LP 606-30	PM				8	58.721412	0	41.776982	78.468	0.1824	262.4679				
4418	UPM 1103+2458	UCAC4 Nearby Star Candidate Aug 2014	M			11.051185		24.96845		78.476	0.0305	303.3263				
4419	BD+12 4499	PM	K4V			20	55.114441	13	10.608519	78.487	0.3867	304.1400	-40.12			
4420	UCAC3 126-121060	PM				8	58.487155	-27	-14.37606	78.487	0.0932	65.7869	23.73			
4421	2MASS J15394442+7437273	Brown dwarf	M9			15	39.740846	74	37.458149	78.506	0.0413	43.5665				
4422	G 142-26	PM				19	19.504693	9	2.9872331	78.506	0.2261	177.1393				
4423	GJ 3292 (G 83-13)	PM	M4		12.98813546	4	29.30802	14	13.990682	78.506	0.1746	302.0536	-24.15			Tauri
4424	HD 190422 (HIP 99137)	Star	F9VCH-0.4			20	7.584837	-55	-0.960874	78.506	0.0233	332.4766	12.44			Telescopii
4425	LP 659-4	PM	M4.5V			5	58.286224	-4	-38.02494	78.506	0.1322	159.7230				
4426	LSPM J0433+5635	PM				4	33.500811	56	35.539262	78.506	0.2080	168.6889				
4427	UCAC4 298-002250	PM				2	14.309988	-30	-33.78488	78.506	0.1501	291.7039				
4428	2MASSW J1728114+394859	Brown dwarf	L5+L6.5			17	28.191683	39	48.9885	78.525	0.0263	125.0958				
4429	LP 45-128	PM	M2.5Ve			19	2.5136309	70	25.835215	78.544	0.1253	358.7878				
4430	UCAC4 715-046733	PM				7	55.201287	52	57.900164	78.544	0.0917	109.6324	35.76			
4431	BPM 87356	PM	K6V			11	23.832537	10	37.136051	78.563	0.1002	115.0364	-9.04			
4432	G 105-30	White dwarf	DA8.5			6	20.795901	6	45.2854	78.563	0.3128	91.4531				

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
4433	HD 238224		K5V			13	23.387873	57	54.363695	78.563	0.0703	96.2287	-14.48			
4434	L 453-31	PM	M2.5			6	39.684483	-36	-59.04301	78.563	0.1648	164.9062				
4435	LP 758-73	PM	K7V			21	53.125574	-12	-49.68149	78.563	0.1158	226.9926				
4436	NLTT 14097	PM				4	52.488545	9	30.483729	78.563	0.2298	153.9888				
4437	2MASS J00531899-3631102	Brown dwarf	L4			0	53.316256	-36	-31.16978	78.582	0.0741	148.1930				
4438	G 124-61	PM				14	41.165905	-8	-59.34177	78.582	0.1521	80.2457				
4439	LP 931-48	PM				22	21.889181	-31	-31.37609	78.582	0.1530	106.3487				
4440	BPM 72763	PM	M0V			8	26.00598	-8	-24.35961	78.601	0.0579	173.3039	5.54			
4441	SCR J0840-4044	PM				8	40.028842	-40	-44.51305	78.601	0.1820	52.1132				
4442	UPM 1220-7135	UCAC4 Nearby Star Candidate Aug 2014	M			12.342777		-71.588553		78.611	0.0228	259.2636				
4443	EGGR 200	White dwarf	DA4.9			18	42.962464	-11	-8.886389	78.620	0.1991	222.8165				
4444	LHS 1104	PM	M2.5V			0	35.888827	52	41.203836	78.620	0.4645	103.1550	-18.3			
4445	LHS 2610	PM	M4.5			12	42.41874	77	53.341271	78.620	0.4695	54.0536				
4446	NLTT 46314	PM				18	14.806145	78	43.169557	78.620	0.0976	84.7787				
4447	UCAC4 659-002046	PM				0	28.506116	41	47.168177	78.620	0.0550	243.0826				
4448	V* BT UMa	Flare				11	30.895031	44	14.60668	78.620	0.0543	352.7104	-22.13			
4449	G 105-20	PM				6	12.910869	10	6.5238825	78.658	0.1281	269.7041				
4450	HD 40397	PM	F7V			5	58.358935	-4	-39.04031	78.658	0.1245	159.5671	143.67			
4451	L 707-63	PM	M3			19	15.370541	-23	-12.09321	78.658	0.1607	326.3676				
4452	SDSS J021217.17-103630.2	Candidate_Brown dwarf				2	12.286599	-10	-36.5062	78.658	0.0349	64.2900				
4453	Wolf 140	PM	M3.5V			3	18.116869	42	40.152273	78.658	0.1471	125.8721	4			
4454	WT 1847	PM				11	22.203703	-11	-32.2678	78.658	0.1886	266.2977				
4455	2MASS J20052353+3813471	PM				20	5.3923286	38	13.78617	78.677	0.2671	223.0746				
4456	2MASS J20153830-3953221	PM				20	15.638274	-39	-53.36568	78.677	0.2132	139.4015				
4457	G 218-27	PM				1	19.285262	59	51.365401	78.677	0.1763	95.4725				
4458	G 219-8	PM				1	22.571498	54	5.459759	78.677	0.1661	102.3330				
4459	UPM 0451-3425	UCAC4 Nearby Star Candidate Aug 2014	M			4.854184		-34.418669		78.678	0.0340	327.4237				
4460	GJ 3129	Flare	M5V			2	2.738	13	34.56	78.696	0.2759	103.5380	-12.94			
4461	HD 165401	SB	G2V			18	5.6242406	4	39.429968	78.696	0.1880	185.6709	-118.71			
4462	SCR J2016-7945	White dwarf	DA8.5			20	16.828646	-79	-45.88535	78.696	0.2532	128.8650				
4463	UCAC4 386-150251	PM				21	53.106487	-12	-49.74734	78.696	0.1189	227.6527				
4464	CD-43 9510 (GJ 571)	PM	K6.5Vk:			14	59.52903	-44	-5.685408	78.715	0.2265	223.7270	2.71			
4465	G 182-4	PM				17	23.812787	31	42.857702	78.715	0.2104	355.0608				
4466	HD 196998	Flare	K6Ve			20	41.704107	-22	-19.34195	78.715	0.4938	129.3775	-60			
4467	L 707-64	PM	M3			19	15.373243	-23	-12.18391	78.715	0.1577	328.4836				
4468	LHS 2363	PM	M4V			11	10.858702	47	57.034012	78.715	0.3485	209.4777	-4			
4469	LHS 1524	PM	M4.5			3	17.300766	-19	-40.29666	78.734	0.3262	113.0675				
4470	LHS 5366	PM				21	10.668942	82	42.819733	78.734	0.2779	335.9068				
4471	SCR 2135-5325	UCAC4 Nearby Star Candidate Aug 2014	M			21.594345		-53.425503		78.745	0.0365	63.9666				

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
4472	UPM 1534-2800	UCAC4 Nearby Star Candidate Aug 2014	M			15.579086		-28.007153		78.745	0.0265	223.6678				
4473	lambda And	RSCVn	G8IVk			23	37.564238	46	27.48968	78.753	0.2621	160.3040	6.84		0.033	Andromedae
4474	2MASS J21501592-7520367	Brown dwarf	L1			21	50.262862	-75	-20.61213	78.772	0.5453	108.5524				
4475	BD+71 851	PM	K4			17	38.568262	71	19.938832	78.772	0.1980	20.9502	-1.72			
4476	BD-04 2639	PM	K7V			9	29.58421	-5	-22.3623	78.772	0.2796	86.9474	27.5			
4477	HD 23439B	SB	K3Vp_Fe-1.0			3	47.043897	41	25.704078	78.772	0.8102	154.9936	50.72			
4478	HD 80632	PM	K4V			9	20.73862	-5	-45.23825	78.772	0.2235	252.3231	36.91			
4479	UPM 1303-6528	UCAC4 Nearby Star Candidate Aug 2014	M			13.059989		-65.472804		78.779	0.0458	52.0102				
4480	CD-50 14117	PM				0	5.4165823	-50	-2.882938	78.791	0.0909	265.8339	7.65			
4481	LP 874-37	PM				21	53.199954	-25	-59.94863	78.791	0.2103	251.7114				
4482	LSPM J2117+7345	PM	M6V			21	17.694606	73	45.910774	78.791	0.4285	318.6981	70			
4483	12 Per	SB	F9V			2	42.248595	40	11.636497	78.810	0.1071	185.3607	-23.04			Persei
4484	HD 7590	BY Draconis variable	G0-V(k)			1	16.487546	42	56.365045	78.810	0.0679	254.3472	-12.99			
4485	Wolf 1106	PM M Sub-dwarf high metallic: Titanium & Calcium	sdM1.5			21	7.9233042	59	43.322218	78.810	1.2219	209.4496	-266.18			
4486	HD 221851	BY Draconis variable	K1V			23	35.426829	31	9.6784226	78.829	0.1997	215.1381	-21.09			
4487	LSPM J2122+0413	White dwarf	DA9			21	22.205774	4	13.946092	78.829	0.2444	190.3775				
4488	UPM 1717-4658	UCAC4 Nearby Star Candidate Aug 2014	M			17.287422		-46.977746		78.846	0.0626	278.8231				
4489	WISE J022424.69-703321.2	UCAC4 Nearby Star Candidate Aug 2014	M			2.4068156		-70.555881		78.846	0.0539	92.2288				
4490	2MASS J00311925-3840356	Brown dwarf	L1.2V			0	31.321242	-38	-40.60127	78.867	0.3252	93.2734				
4491	BD-05 3740	PM	M0.5V			13	38.97813	-6	-14.20785	78.867	0.1191	152.8671	7.77			
4492	Cl Melotte 22 LLP 139	PM	M:			3	47.980757	23	29.071322	78.867	0.0845	205.3637				Tauri
4493	UPM 0915-6905	UCAC4 Nearby Star Candidate Aug 2014	M			9.2582736		-69.08632		78.879	0.0487	43.1617				
4494	2MASS J15210327+0131426	Brown dwarf	T2			15	21.0545	1	31.711667	78.886	0.1327	68.3852				
4495	L 1039-21	PM	M3.0Ve			10	8.7433998	2	43.94644	78.886	0.2656	190.3890				
4496	L 280-19	PM	M3.5			21	3.3609789	-50	-22.87345	78.886	0.3317	142.1250	-51.69			
4497	[BEM91] 14	PM	MV			23	56.154477	-13	-58.29295	78.905	0.1920	280.8882				
4498	G 226-33	PM	M3.5V			16	53.652635	56	3.453104	78.905	0.2336	75.1617	-76.97			
4499	LHS 2776	PM				13	39.839194	46	58.141747	78.905	0.4802	86.5634				
4500	G 168-13	PM	M2.0Ve			15	49.340333	25	3.7046739	78.924	0.2273	5.0264	6.52			
4501	HD 159222	PM	G1V			17	32.016538	34	16.268848	78.924	0.1449	75.1744	-51.56			
4502	LHS 1105	PM	M3V			0	35.894723	52	41.611016	78.924	0.4628	103.4857	5			
4503	BD+40 2442	RotV	K5V			11	36.6815	39	11.437442	78.944	0.3488	132.6153	-39.69			
4504	LP 167-64	PM	M3V			10	34.502822	46	18.146762	78.944	0.2471	256.0327	3			
4505	LP 546-50	PM	M			9	5.0049436	2	26.230627	78.944	0.1136	85.1437				
4506	49 Ser B	PM	G9V			16	13.307015	13	31.682752	78.963	0.2705	155.3468	18.51			Serpentis
4507	BD-17 3890	PM	K7V			13	35.703343	-18	-15.20937	78.963	0.0945	132.9901	45.99			
4508	CD-67 1583	PM	M1V:			14	23.106598	-68	-22.95973	78.963	0.1420	166.3033	18.63			

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
4509	LP 837-19	PM				5	44.950604	-21	-36.92944	78.963	0.2040	15.1267				
4510	UCAC4 379-064809	PM	M3.5V			13	29.401461	-14	-22.20529	78.963	0.0677	110.9804	-1.8			
4511	L 209-71	PM				20	15.377947	-56	-45.90756	78.982	0.1998	187.5228	-0.18			
4512	LP 818-34	PM				21	48.883894	-19	-47.45115	78.982	0.1775	95.4166				
4513	LSPM J0833+3706	PM				8	33.051659	37	6.1379985	78.982	0.3703	214.0882				
4514	BD+22 4409	BY Draconis variable	K3Vke			21	31.028569	23	20.122848	79.001	0.1149	137.0805	-23.36			
4515	HD 151541	PM	K1V			16	42.642948	68	6.1298691	79.001	0.2974	33.6244	9.53			
4516	UCAC3 190-156729	PM	M			18	5.6263966	4	39.678375	79.001	0.1839	183.3408				
4517	epsilon UMa Alioth	RotValf2CVn	A1III-IVpkB9		0.2	12	54.029596	55	57.587841	79.039	0.0569	91.4026	-12.7			Ursae Majoris
4518	G 163-53	PM	M0.5V			11	9.2039985	-4	-36.41831	79.039	0.2041	252.1399	10.66			
4519	HD 76653	PM	F6V		3.79	8	55.196368	-54	-57.94604	79.039	0.0552	165.1496	-6.88			Velorum
4520	LP 859-64	PM	M0V			15	9.9320288	-23	-58.9978	79.039	0.1461	20.1809	-48.57			
4521	TYC 4246-488-1	PM	M1.0Ve			20	40.311462	61	41.502892	79.039	0.0684	202.3308	-22.54			
4522	2MASS J13382653-3752504	PM				13	38.44089	-37	-52.84103	79.058	0.7415	269.2852				
4523	BD-06 15	PM	M0V			0	11.076845	-5	-47.03849	79.058	0.1489	271.8732	-5.32			
4524	HD 183255	SB	K2.5V			19	26.433084	49	27.91829	79.058	0.4925	327.3770	-65.9			
4525	HD 87884		K0Ve			10	8.2131311	11	59.817679	79.058	0.1481	88.1890	6.72			
4526	LHS 1923	PM	M6.0V			7	32.029066	57	55.731082	79.058	0.5379	179.8589				
4527	Ruiz 207-98	PM	M4.5			6	54.312842	-49	-56.92155	79.058	0.4094	168.2948				Columbae
4528	2MASS J12043036+3212595	Brown dwarf	M9.6V			12	4.5059777	32	12.991971	79.078	0.0470	113.1588	-51			
4529	EGGR 69	White dwarf	DA5.8			9	57.804233	24	32.8985	79.078	0.2415	220.2120	16			
4530	G 16-5	PM				15	34.004404	4	36.865555	79.078	0.1423	213.3761				
4531	2MASS J14582453+2839580	Brown dwarf	M8.5V			14	58.408848	28	39.963062	79.097	0.2629	194.3616	-7			
4532	UCAC4 195-025335	PM				9	5.2987784	-51	-2.605227	79.097	0.1817	23.8293				
4533	2MASS J01551106-3205250	PM				1	55.184354	-32	-5.416407	79.116	0.0452	56.9656	14.55			
4534	2MASS J04251914+3705083	PM				4	25.319309	37	5.139878	79.116	0.2360	271.6408				
4535	BD-03 5691	PM	K7V			23	42.177388	-2	-34.60325	79.116	0.2428	214.5213	17.7			
4536	LSPM J0433+0414	White dwarf	DA			4	33.496593	4	14.797498	79.155	0.2701	167.9509				
4537	UCAC4 168-181647	PM				16	53.56192	-56	-32.87529	79.174	0.2307	204.1454				
4538	UCAC4 583-044696	PM	M3V			9	30.240481	26	30.414483	79.174	0.1201	228.4137	63.61			
4539	G 273-196	UCAC4 Nearby Star Candidate Aug 2014	M			7.793E-05		-15.580376		79.182	0.1500	285.0116				
4540	LHS 1465	PM				2	53.118789	-10	-19.00598	79.193	0.3693	146.0923				
4541	NLTT 23911	PM				10	17.446624	7	19.431569	79.193	0.1109	239.9184				
4542	alpha Leo Regulus	B C D	B8IVn			10	8.3718498	11	58.032527	79.212	0.1447	88.7125	5.9			Leonis
4543	LP 369-27	PM				9	19.336587	21	54.531177	79.212	0.1912	206.7989				
4544	WISE J021705.03-300621.9	UCAC4 Nearby Star Candidate Aug 2014	M			2.2847202		-30.106053		79.215	0.0317	131.5723				
4545	HD 217813	BY Draconis variable	G1V			23	3.0829571	20	55.11438	79.232	0.0703	256.4191	2.08			
4546	HD 199509	PM	G1V			21	9.3454723	-82	-1.635204	79.251	0.1569	101.8806	-22.23			
4547	LP 167-63	Flare	M4.5			10	34.431078	46	18.374506	79.251	0.2503	255.6236				
4548	SSSPM J0027-5402	PM	M7e			0	27.390825	-54	-1.767515	79.251	0.2346	275.3948				
4549	2MASS J07164790-0630369	Brown dwarf	L1.1V			7	16.798399	-6	-30.61571	79.270	0.0849	4.7157				

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
4550	2MASSI J0148386-302439	PM	M7.5			1	48.6437	-30	-24.65948	79.270	0.0494	58.1158	12			
4551	UPM 2142-4422	UCAC4 Nearby Star Candidate Aug 2014	M			21.712116		-44.378498		79.282	0.0681	186.4267				
4552	2MASS J21235271-3908176	PM	M3.5			21	23.878621	-39	-8.293361	79.289	0.0540	243.2485				
4553	BD-17 1959	PM	M0V:			7	24.570902	-17	-53.53311	79.289	0.0386	226.4999	-8.68			
4554	G 39-11	PM	M2.5Ve			4	24.820289	32	26.970202	79.289	0.1449	120.6008				
4555	V* FT Cet	BY Draconis variable	K1V			2	36.696046	-3	-9.368252	79.289	0.1910	280.2455	27.5			
4556	WT 244	PM	M4.5V			9	44.395711	-73	-58.63788	79.289	0.3096	259.4867				
4557	RAVE J150932.0-154648	Star				15	9.5325316	-15	-46.79594	79.309	0.0163	344.5771	-11.28			
4558	V* V401 Hya	BY Draconis variable	G8/K0(IV)			8	37.83823	-6	-48.41297	79.309	0.1749	81.6140	35.43			
4559	2MASS J10324069-5255058	PM				10	32.6779	-52	-55.09958	79.328	0.3111	66.3747				
4560	G 111-15	PM				7	33.460947	41	30.052638	79.328	0.2342	132.3395				
4561	HD 156668	PM	K3V			17	17.67483	29	13.633664	79.328	0.1330	18.5231	-44.57			
4562	LP 740-20	PM	M5			14	31.260237	-13	-18.41902	79.328	0.1901	235.2627				
4563	LP 833-14	PM	M2Vk:			3	52.386133	-22	-52.9498	79.328	0.2786	293.9924				
4564	HD 42618	PM	G4V			6	12.009447	6	46.984289	79.347	0.1875	142.2529	-53.52			
4565	2MASS J16111662-1939103	UCAC4 Nearby Star Candidate Aug 2014	M			16.187953		-19.652887		79.350	0.0144	201.5863				
4566	LHS 2906	UCAC4 Nearby Star Candidate Aug 2014	M			14.385508		-22.285759		79.350	0.3110	211.1329				
4567	GJ 2097	PM	M2V		13.54562299	13	7.0414241	20	48.956634	79.354	0.0729	229.2456	-12			Comae Berenices
4568	2MASS J00320509+0219017	Brown dwarf	L0.4V			0	32.084687	2	19.030698	79.367	0.3035	128.7848				
4569	G 273-163	PM	M2.5			23	54.836822	-9	-57.01889	79.386	0.1148	195.0133	-9.59			
4570	LP 985-32	PM				22	51.395475	-34	-19.60223	79.405	0.1787	126.7216	3.83			
4571	UCAC4 085-014711	PM				8	8.2808415	-73	-1.669322	79.405	0.0921	170.4499				
4572	UPM 1343-4739	UCAC4 Nearby Star Candidate Aug 2014	M			13.718776		-47.656769		79.417	0.0279	223.6481				
4573	UPM 1551-3554	UCAC4 Nearby Star Candidate Aug 2014	M			15.853376		-35.913401		79.417	0.1088	208.0995				
4574	UPM 1825-0319	UCAC4 Nearby Star Candidate Aug 2014	M			18.423578		-3.3189744		79.417	0.0111	138.6161				
4575	G 273-177	PM				23	56.681091	-14	-52.50618	79.425	0.1318	292.0362				
4576	GD 1192	White dwarf	DA3.7			23	35.610341	-16	-17.7276	79.425	0.0974	148.2899	47.2			
4577	L 527-12	PM				7	21.905804	-31	-4.61303	79.425	0.1360	167.0424				
4578	LP 926-55	PM				19	54.414683	-31	-47.99649	79.425	0.2771	256.5294				
4579	G 272-60	White dwarf	DA6			1	38.533587	-19	-54.77637	79.444	0.1572	307.6332				
4580	LP 620-52	PM	M3.5			14	40.726275	0	58.961931	79.444	0.1122	85.4729				
4581	EGGR 51	White dwarf	DQ8			7	10.239042	37	40.324538	79.463	0.2082	219.3737	-4.5			
4582	LHS 6043	PM	M3.5			2	12.536482	50	6.5545028	79.463	0.2672	227.6185	-24.8			
4583	LP 820-19	PM				22	26.019261	-15	-18.21733	79.463	0.1616	101.1113	-331.86			
4584	2MASS J18405881+7557592	PM				18	40.979705	75	57.990719	79.483	0.1030	6.9543				
4585	7 And	PM	F1V			23	12.550077	49	24.372165	79.502	0.0766	317.2797	12.1			Andromedae
4586	TYC 6787-2282-1	PM				16	1.6624282	-26	-25.26508	79.502	0.0842	107.4996	-20.66			

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
4587	V* V1005 Ori	BY Draconis variable	M0Ve			4	59.58057	1	47.011201	79.502	0.0598	157.5707	20.5			
4588	UPM 0229-5541	UCAC4 Nearby Star Candidate Aug 2014	M			2.4960358		-55.697142		79.517	0.0539	99.9399				
4589	CD-26 4156	RotV	M1Ve			7	18.736496	-26	-16.29053	79.522	0.0295	132.4226	23.94			
4590	G 107-20	PM	M3			6	47.779327	46	58.257796	79.522	0.1183	203.6851				
4591	gamma Cet (Kaffaljidhma)	B	A2 V	F4V	2	2	43.300652	3	14.148983	79.522	0.1202	224.9961	-4.9			Ceti
4592	L 262-74	PM	M2V(e)			15	10.674616	-52	-48.31739	79.522	0.1276	218.7724	19.5			
4593	BD+79 38	PM	K5V			1	21.515169	80	9.107982	79.541	0.1701	105.8573	-20.82			
4594	LHS 1872	PM				6	50.52092	-9	-38.74386	79.541	0.2792	197.2692	44.48			
4595	LHS 1873	PM	M3.5V			6	50.991452	-9	-10.83586	79.541	0.3399	190.4178	-25.37			
4596	LHS 5246	PM				13	27.45024	-33	-45.84374	79.541	0.2912	119.8617				
4597	LP 857-29	PM	M4.5			14	23.13017	-22	-17.15208	79.541	0.3176	210.4922				
4598	UPM 1731-0239	UCAC4 Nearby Star Candidate Aug 2014	M			17.518681		-2.6550428		79.551	0.0301	239.8153				
4599	UPM 2310+6641	UCAC4 Nearby Star Candidate Aug 2014	M			23.168362		66.698069		79.551	0.0604	203.1334				
4600	HD 166435	PM	G1IV			18	9.3563632	29	57.102761	79.560	0.0548	310.4689	-14.38			
4601	HD 10182	PM	K2III			1	39.935305	15	15.55772	79.580	0.1313	105.0557	-21.07			
4602	LP 220-50	PM	M6V			14	9.532801	41	38.136709	79.580	0.1334	71.5528	-11			
4603	StKM 1-1210	PM	M0			15	6.1100619	15	12.526308	79.580	0.0661	118.5079	-25.36			
4604	epsilon Sco (Wei)	PM	K1III		0.78	16	50.163671	-34	-17.59432	79.599	0.1016	196.0588	-2.5		0.033	Scorpii
4605	LSPM J0841+0237	PM				8	41.454515	2	37.43701	79.599	0.2353	253.9329				
4606	LSPM J0859+2602	PM				8	59.154478	26	2.9534499	79.599	0.1979	18.1612				
4607	HD 107576	PM	K3.5V			12	21.997444	-41	-3.554385	79.619	0.0633	173.9132	13.14			
4608	HD 178126	PM	K5V			19	7.0340133	7	36.952532	79.619	0.4806	203.1196	8.88			
4609	LEHPM 5032	PM				22	42.017248	-37	-17.57128	79.619	0.1288	94.5274				
4610	MGC 28624	PM				12	6.4159437	0	16.040796	79.619	0.0768	170.8315	18			Virginis
4611	UPM 1713+5746	UCAC4 Nearby Star Candidate Aug 2014	M			17.23024		57.775003		79.652	0.0863	55.3244				
4612	HD 166435B	White dwarf	DA2.2			18	9.3242847	29	57.347461	79.658	0.0582	317.9680				
4613	LHS 3411	PM	M2.5			18	48.644675	-61	-35.42998	79.658	0.3245	196.1324				
4614	LTT 2295		M3			5	30.309455	-53	-58.81133	79.658	0.2303	331.8169	31.3			
4615	UCAC4 360-003261	PM				2	52.00527	-18	-9.266184	79.658	0.1368	179.7738				
4616	2MASS J00200058-3852084	PM				0	20.009679	-38	-52.14057	79.677	0.1237	252.9856				
4617	G 67-21	PM	M2.5V			22	47.648691	18	26.61733	79.677	0.2535	298.5241	-43.29			
4618	2MASS J23101857+1447203	TTau	M4			23	10.309807	14	47.336767	79.697	0.0418	204.5355				
4619	UCAC4 153-223055	PM				21	21.236738	-59	-27.84042	79.697	0.1071	32.9887	32.2			
4620	2MASS J21263403-3143224	Brown dwarf	M9.2V			21	26.567264	-31	-43.3753	79.716	0.1804	138.9506				
4621	HD 14629	PM	K3.5Vk:			2	20.715462	-39	-2.023777	79.716	0.1248	96.8841	20.51			
4622	HD 192020	PM	G8V			20	11.418632	38	24.008286	79.716	0.0722	342.3173	-11.57			
4623	2MASS J01355366-6127111	PM				1	35.894506	-61	-27.18465	79.736	0.1557	258.5627				
4624	G 43-13	PM				9	54.411366	6	38.758774	79.736	0.1613	77.0923				
4625	HD 121560	PM	F6V			13	55.833227	14	3.3901831	79.736	0.1693	88.2829	-10.43			

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
4626	LHS 1654	PM	M3.5			4	18.078506	-49	-1.500914	79.736	0.2854	356.3051				
4627	UCAC4 249-184943	PM				23	40.397293	-40	-21.78273	79.736	0.1706	115.2374				
4628	UPM 1235-3101	UCAC4 Nearby Star Candidate Aug 2014	M			12.593749		-31.018466		79.753	0.0622	300.8351				
4629	2MASS J07193943-2644411	PM	M3.5			7	19.657332	-26	-44.68655	79.775	0.0281	131.0577	-34.72			
4630	2MASS J11345493+0022541	Brown dwarf	M9			11	34.91558	0	22.902032	79.775	0.2984	129.9548	33			
4631	LP 872-22	PM	M6.5			20	52.14314	-23	-18.16903	79.775	0.2067	211.2870				
4632	UCAC4 478-066927	PM	M2.5Ve			17	22.565109	5	31.256445	79.775	0.0578	259.0593	-21.48			
4633	UPM 1742-2306	UCAC4 Nearby Star Candidate Aug 2014	M			17.707595		-23.115091		79.786	0.0539	96.0122				
4634	NLTT 19618	PM				8	30.17067	55	52.838687	79.794	0.1179	288.5432				
4635	TYC 1041-1289-1	UCAC4 Nearby Star Candidate Aug 2014	M			19	9.8565415	7	42.133097	79.794	0.0461	153.5642				
4636	2MASS J03321707-5409395	PM				3	32.285362	-54	-9.664252	79.814	0.1283	217.4113				
4637	HD 207144	PM	K3V			21	48.000762	-40	-15.36492	79.814	0.2144	162.9631	-9.2			
4638	2MASS J21351193+7312351	PM				21	35.198426	73	12.584891	79.833	0.2102	298.7419				
4639	LP 460-42	PM				22	34.533123	19	58.221201	79.833	0.1375	149.5049				
4640	LSPM J1735+0012	PM				17	35.624847	0	12.351414	79.833	0.1857	180.4093				
4641	L 1143-66	PM	M0.5Ve			20	44.507369	8	54.425734	79.853	0.1341	295.0978				
4642	UPM 1601-4140	UCAC4 Nearby Star Candidate Aug 2014	M			16.031002		-41.677253		79.853	0.0780	201.5316				
4643	G 112-24	PM				7	30.291838	-3	-40.4078	79.873	0.0936	73.8700	46			
4644	UPM 0042-5444	UCAC4 Nearby Star Candidate Aug 2014	M			0.7028084		-54.745348		79.887	0.0596	118.2667				
4645	BD+21 3245	PM	K2.5V			17	53.498932	21	19.517499	79.892	0.0543	51.6937	-13.34			
4646	LP 987-47	PM	M4			23	53.682623	-35	-59.09795	79.892	0.1772	303.5012	4.7			
4647	GJ 1108 B	SB	M2.8+M3.3			8	8.9239594	32	49.078243	79.912	0.1248	193.1309	12.12			
4648	HD 148704	SB	K1V+G9V			16	31.500434	-39	-0.736208	79.912	0.3163	232.4791	-50.3			
4649	HD 26900	PM	K2V			4	16.544245	36	30.109568	79.912	0.1324	185.7854	29.23			
4650	SDSS J091441.22+180944.6	Candidate_Brown dwarf				9	14.687892	18	9.7437015	79.912	0.0892	266.6335				
4651	StM 174	PM	M3.5V			12	48.575108	49	33.902084	79.912	0.0587	103.4366	-9.45			
4652	UPM 1700-1936	UCAC4 Nearby Star Candidate Aug 2014	M			17.014134		-19.604654		79.920	0.0737	253.2098				
4653	G 273-150	PM	M0.5V			23	52.175777	-19	-39.26727	79.931	0.1204	73.5007	12.08			
4654	HD 45391	PM	G1V			6	28.767216	36	28.799424	79.931	0.2117	233.1162	-5.29			
4655	G 209-18	PM	M4.5			20	10.669849	40	40.139876	79.951	0.1785	106.2833				
4656	HD 330856	PM	K5			16	26.839757	-49	-36.37187	79.951	0.1024	115.2111	8.29			
4657	L 472-38	PM				13	4.4844884	-37	-47.60281	79.951	0.1698	101.0191	1.64			
4658	LP 778-31	PM				5	52.577396	-21	-0.711403	79.951	0.0978	7.4627				
4659	2MASS J03301681+3439505	UCAC4 Nearby Star Candidate Aug 2014	M			3.5046754		34.664079		79.954	0.0320	134.7054				
4660	UPM 0122-6318	UCAC4 Nearby Star Candidate Aug 2014	M			1.3792019		-63.312409		79.988	0.0575	106.9877				

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
4661	UCAC4 460-013419	PM				5	54.166602	1	52.478735	79.990	0.0730	138.8310				
4662	BPS CS 29520-0077	PM	M1.5			4	46.827979	-60	-34.18136	80.010	0.0728	334.6981	5.07			
4663	G 240-53	PM				17	15.997021	64	37.140041	80.010	0.1528	236.0910				
4664	UCAC3 123-145038	PM				11	24.135981	-28	-40.56851	80.010	0.0339	160.3528				
4665	UPM 1456-2932	UCAC4 Nearby Star Candidate Aug 2014	M			14.943074		-29.548513		80.021	0.0806	112.5308				
4666	2MASS J10044030-1318186	Brown dwarf	L1			10	4.6716288	-13	-18.31679	80.029	0.1356	212.4314				
4667	HD 20407	PM	G5VFe-1.2CH-1			3	15.106505	-45	-39.88934	80.029	0.1128	42.8808	4.41			
4668	LEHPM 4457	PM				22	13.83675	-54	-51.40532	80.029	0.2385	164.6245				
4669	LSPM J0956+1134	PM				9	56.761705	11	34.397171	80.029	0.2656	268.2607				
4670	HD 132899		K4.5Vk:			15	3.1019388	-41	-59.55355	80.049	0.1342	151.3557				
4671	LP 131-75	PM	M5.5			12	53.805685	54	11.179408	80.049	0.1418	210.8703				
4672	TYC 1273-9-1	PM	M1.5Ve			4	27.417753	20	22.742501	80.069	0.0492	267.5304	-19.43			
4673	2MASS J15591839-2210430	UCAC4 Nearby Star Candidate Aug 2014	M			15.988442		-22.178606		80.088	0.0161	213.1718				
4674	LP 630-52	PM				18	22.874614	0	23.529902	80.088	0.1645	210.8418				
4675	LP 650-215	PM	M4.5			2	20.372882	-8	-8.416905	80.088	0.1705	224.1083				
4676	LP 873-78	PM				21	21.354936	-25	-57.27221	80.088	0.2224	106.7452				
4677	Ton 949	White dwarf	DZ			8	46.740232	35	38.559343	80.088	0.0990	246.9322				
4678	HD 119291	PM	K7V			13	42.43391	-1	-41.17627	80.108	0.1907	241.8647	-42.65			
4679	UCAC4 440-053957	PM	M3.0V			11	54.948863	-2	-6.153182	80.108	0.0625	62.4052	47.44			
4680	LEHPM 2391	UCAC4 Nearby Star Candidate Aug 2014	M			2.3489504		-37.437152		80.122	0.1623	139.5346				
4681	NLTT 42501	PM				16	19.176604	19	57.430438	80.128	0.2637	57.4403				
4682	UCAC4 783-021098	PM	M3.0Ve			8	55.522431	66	28.13261	80.148	0.0548	154.0602				
4683	2MASS J13172737-5438084	PM				13	17.456435	-54	-38.13795	80.167	0.4298	229.6593				
4684	2MASS J15190181-7416133	Brown dwarf	M9			15	19.029765	-74	-16.22425	80.167	0.1600	292.2612				
4685	BD+02 418	PM	K5V			2	42.542285	3	22.433594	80.167	0.1193	223.7948	-6.6			
4686	CPD-20 550	PM	K5V			4	21.526835	-19	-45.38961	80.167	0.2065	214.6763	21.34			Eridani
4687	Wolf 515	PM	M2V			13	52.603558	14	25.336083	80.187	0.1656	170.5962	2.88			
4688	LP 720-10	PM	M3.5V			6	23.641254	-9	-38.86219	80.207	0.0361	74.9531	-19.52			
4689	Ross 115	PM	M3.0Ve			11	42.028839	14	46.604919	80.207	0.2058	50.2780				
4690	SDSS J120032.85+204852.7	PM	M8V			12	0.5483828	20	48.856414	80.207	0.1565	28.9290	-28			
4691	G 43217	PM				2	33.461026	12	39.896848	80.227	0.1847	93.7594				
4692	GJ 587.1	PM	M0V			15	28.021893	25	47.397838	80.227	0.0654	122.3257	-4.28			
4693	LP 711-5	PM	M3.5			2	45.308743	-13	-56.39738	80.227	0.1382	177.0655				
4694	UCAC3 96-143035	PM				13	49.021095	-42	-28.70446	80.227	0.1054	242.3907				
4695	V* UY Pic	RSCVn	K0V			5	36.947551	-47	-57.8814	80.227	0.0134	92.8211	32.36			
4696	2MASS J04542406+3830436	PM				4	54.40171	38	30.722931	80.246	0.2450	125.7338	13.95			
4697	HD 204079	PM	K1V			21	25.483881	27	12.636931	80.246	0.1292	230.8009	-33.2			
4698	LHS 2640	PM				12	49.556842	54	11.01849	80.246	0.4357	50.0579				
4699	G 121-42	PM	M3V			12	0.7454479	20	50.830258	80.266	0.1566	28.7589	-32			
4700	GJ 3101	Flare	M3			1	36.145798	-26	-52.27078	80.266	0.1364	99.0833	19.11			

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
4701	LHS 5061	PM	M3			2	51.844192	6	13.692088	80.266	0.2821	104.6846				
4702	CD-48 1893	Star	K6Ve			5	36.918268	-47	-57.79921	80.286	0.0168	276.8175	32.2			
4703	LHS 3753	PM	G:			22	4.6330082	-31	-27.22929	80.286	0.3116	142.6657				
4704	UPM 0013+2733	UCAC4 Nearby Star Candidate Aug 2014	M			0.2220889		27.558618		80.290	0.0618	162.1958				
4705	LHS 3735	PM				21	57.654967	-9	-28.22311	80.306	0.3208	249.2602				
4706	UCAC4 527-018168	PM				5	53.576628	15	20.12349	80.306	0.0975	305.4232				
4707	2MASS J07274064-1404577	PM red / white dwarf stars Subasavage 2005				7	27.677782	-14	-4.966449	80.325	0.2560	141.5607				
4708	G 161-63	PM	M1.5			9	41.434045	-5	-8.4058	80.345	0.1430	111.3200	12.77			
4709	Wolf 755	PM	M0V			17	31.636036	1	47.827849	80.345	0.1211	239.5953				
4710	HD 217142	Star	G5			22	56.072709	75	56.372141	80.365	0.0289	136.8020	-9.31			
4711	LHS 3237	PM				16	42.100583	-17	-9.945836	80.385	0.3095	218.0172				
4712	WT 1566	PM				9	4.4920357	-25	-9.204539	80.385	0.2241	242.4851				
4713	LP 942-107	PM	MV			3	5.1868351	-34	-5.400251	80.405	0.1949	98.7610				
4714	LSPM J0554+1055	PM	M2.1V			5	54.762223	10	55.950267	80.405	0.0910	243.7179	14.2			
4715	Wolf 312	PM	M2.5Ve			8	32.599867	45	10.289135	80.405	0.0906	246.1397	20.57			
4716	LHS 456	PM				17	50.98349	-56	-36.11442	80.425	0.7336	237.0753	-44.98			
4717	G 108-36	PM	M2.5V			6	51.98366	3	12.921253	80.444	0.1229	260.5587	42.2			
4718	G 120-37	PM				11	21.491809	25	31.467708	80.444	0.1913	225.9397				
4719	LHS 5240	PM	M5			13	11.863152	25	20.847679	80.444	0.2870	249.6554				
4720	zeta 2 Uma	SB	kA1h(eA)mA7IV-V			13	23.938717	54	55.308434	80.444	0.0681	103.0628	-9.3			Ursae Majoris
4721	L 1143-65	PM	M0V			20	44.512023	8	54.183269	80.464	0.1303	295.8787	-28.47			
4722	G 191-45	PM	M1.0Ve			5	34.144391	51	12.939443	80.484	0.1331	193.0648	-72.42			
4723	UPM 1124-2840	UCAC4 Nearby Star Candidate Aug 2014	M			11.402268		-28.676156		80.491	0.0339	160.3528				
4724	Alcor	Saidak, Suha, Arundhati; visual double star with Mizar	A5V	M3-4	2.01	13	25.225713	54	59.278339	80.504	0.0680	104.1474	-8.9			Ursae Majoris
4725	LHS 1058	PM				0	19.45809	4	50.498726	80.504	0.3321	238.2717				
4726	HD 34721 (HIP 24786)	PM	G0V			5	18.841215	-18	-7.803105	80.507	0.2274	278.9816	40.49			Leporis
4727	HD 1562	PM	G1V			0	20.006798	38	13.64385	80.524	0.1803	207.1171	15.25			
4728	V* CU Leo	LPV				11	51.299096	18	29.381899	80.524	0.0776	126.8270	50.19			
4729	2MASS J12065853-3500518	PM				12	6.9754278	-35	-0.867463	80.544	0.2423	229.0296				
4730	CD-45 13383	PM	M1			19	42.879412	-45	-4.891992	80.544	0.1512	197.0507	51.74			
4731	HD 119217	PM	M0V			13	41.928148	0	7.7485063	80.544	0.2669	200.7068	46.11			
4732	LSPM J2312+1414	PM				23	12.279502	14	14.46342	80.544	0.0888	233.8063				
4733	LEHPM 3115	UCAC4 Nearby Star Candidate Aug 2014	M			3.150064		-49.414302		80.558	0.0659	300.1654				
4734	G 163-30	PM				10	58.570363	-5	-54.15346	80.564	0.1418	167.6176				
4735	G 254-38	PM				12	12.975254	74	16.808375	80.564	0.2133	264.8646				
4736	G 257-30	PM				16	10.480193	73	54.551914	80.564	0.2047	39.6317				
4737	HD 104731	PM	F5V			12	3.6595282	-42	-26.04339	80.564	0.1966	109.2721	39.18			
4738	2MASS J15445518+3301447	Candidate_Brown dwarf				15	44.920018	33	1.7474911	80.584	0.0448	2.5364				

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
4739	LSPM J2302+4104	UCAC4 Nearby Star Candidate Aug 2014	M			23.038487		41.073126		80.592	0.2088	284.1911				
4740	delta Vel	B C D	A1 V	G0 V, ?, ?	0.2	8	44.703333	-54	-42.5	80.600	0.0624	164.3310	2.2			Velorum
4741	G 171-51	PM	M3.0Ve			0	21.899099	38	16.489403	80.604	0.4077	117.5570	-39.8			
4742	GJ 4305	White dwarf	DA8.1			22	55.928523	5	45.376538	80.604	0.2556	127.0411	51.6			
4743	LHS 6422	PM	M4.0			23	21.93344	24	12.527438	80.604	0.2631	114.6553	24.69			
4744	LSPM J0512+1818	PM				5	12.305368	18	18.038098	80.604	0.0882	312.0817				
4745	Ross 451	PM M Sub-dwarf high metallic: Titanium & Calcium	sdM0.0			11	40.338424	67	15.539365	80.604	1.8447	175.2871	-154.28			
4746	2MASS J03443351-6237190	PM				3	44.558911	-62	-37.31672	80.624	0.0622	73.9220	22.55			
4747	G 188-19	PM	M3.5			21	41.973173	27	41.249253	80.624	0.1728	259.5545	46.51			
4748	LP 352-79	PM	M5e			2	3.4781965	21	34.278969	80.624	0.2056	92.4047				
4749	Wolf 882	PM	M3.5			20	49.658931	0	21.056441	80.624	0.2186	124.1552	-57.2			
4750	UPM 1055-4607	UCAC4 Nearby Star Candidate Aug 2014	M			10.923767		-46.118573		80.626	0.0877	269.2396				
4751	G 84-26	White dwarf	DA4.4			4	59.720231	0	22.647712	80.644	0.1684	142.1841				
4752	HD 91889	PM	F8V			10	36.539699	-12	-13.80733	80.644	0.4211	158.3484	-6.33			
4753	LHS 5298	PM	K:			15	42.625464	-61	-28.48221	80.644	0.2550	207.3890				
4754	LP 141-14	White dwarf	DC			18	57.655728	53	30.555028	80.644	0.1434	102.3046				
4755	TYC 3640-556-1	Star				23	25.636681	47	17.093358	80.644	0.0196	279.4397	-9.12			
4756	G 161-48	PM				9	33.939861	-10	-9.406169	80.664	0.1469	342.2120	-10.5			
4757	UCAC4 201-041594	PM				10	6.1443738	-49	-49.63768	80.664	0.1102	197.1875				
4758	UCAC4 508-066143	PM	M4.0V			17	16.796659	11	33.872003	80.664	0.1093	43.9157	-38.28			
4759	UCAC4 547-002110	PM				1	6.616246	19	13.552698	80.664	0.1318	190.5474				
4760	HD 113283	PM	G5V			13	15.44061	-87	-33.64102	80.684	0.1580	234.8684	-4.72			
4761	HD 12051	PM	G9V			1	59.110556	33	12.580981	80.684	0.2489	145.2667	-35.05			
4762	HD 195564	PM	G2.5IV			20	32.394915	-9	-51.20311	80.684	0.1911	289.5757	9.58			
4763	PM J20271-4421	UCAC4 Nearby Star Candidate Aug 2014	M			20.451958		-44.357964		80.693	0.3198	161.1035				
4764	DENIS J081244.2-450433	PM				8	12.737528	-45	-4.563741	80.703	0.2493	219.0521				
4765	TYC 141-24-1	PM	M1.5Ve			6	23.774265	5	2.6866233	80.703	0.0516	152.4426				
4766	2MUCD 20329	Brown dwarf	L5			9	5.7756878	56	23.196456	80.723	0.0598	351.1753				
4767	LP 920-40	PM				17	19.338847	-29	-49.4006	80.723	0.3009	183.9514				
4768	NLTT 34902	PM				13	41.548916	8	5.0812059	80.723	0.1559	267.2282				
4769	LP 123-75	PM	M0V			8	6.6082247	55	53.640036	80.764	0.0900	121.3686	-47.6			
4770	LP 764-14	PM M Sub-dwarf high metallic: Titanium & Calcium	sdM3.5			0	16.311034	-17	-8.882177	80.764	0.2551	353.2390				
4771	WT 201	White dwarf	DA8.0			6	53.503554	-39	-54.4853	80.764	0.1350	16.3988				
4772	HD 197396	PM	K2.5V			20	42.822673	20	50.676639	80.784	0.2107	192.9178	-36.77			
4773	LHS 2508	PM	M2V			12	4.6992389	76	3.7058665	80.784	0.4304	264.3076	14.7			
4774	Wolf 1040	PM	M3.5:d			23	36.862899	1	9.8761986	80.784	0.6952	95.2542	26.15			
4775	SCR 1938-2416	UCAC4 Nearby Star Candidate Aug 2014	M			19.643583		-24.28294		80.793	0.0439	333.6387				

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
4776	2MASS J00373628-1512001	PM				0	37.605178	-15	-12.00421	80.804	0.1135	76.3847				
4777	2MASSI J0050244-153818	Brown dwarf	L0.5V			0	50.406897	-15	-38.31945	80.804	0.3082	203.9085				
4778	G 268-14	PM	M1.5			0	37.604948	-15	-11.88185	80.804	0.1157	76.3495	-9.03			
4779	G 47-33	PM	M1V			9	18.770475	26	45.183744	80.804	0.2354	209.0970	39.31			
4780	GJ 4304	PM	M1V			22	55.94699	5	45.305735	80.804	0.2594	127.0719	9.38			
4781	LP 823-44	White dwarf	DZ			23	43.249974	-16	-59.68374	80.804	0.2082	229.3242				
4782	BD+35 2406	PM	K3V			13	7.5843876	34	24.101049	80.824	0.0777	88.7595	-8.38			
4783	G 130-14	PM	M3.5			23	49.897181	27	21.675349	80.824	0.1079	234.0060	24.52			
4784	LP 585-58	PM				0	36.50285	0	54.678835	80.824	0.2605	116.4295				
4785	LP 993-98	PM	M5.5			2	42.1021	-41	-24.58819	80.824	0.2407	97.3229				
4786	2XMM J103132.2+504417	UCAC4 Nearby Star Candidate Aug 2014	M			10.525653		50.738059		80.827	0.0388	84.0674				
4787	UPM 1545-0515	UCAC4 Nearby Star Candidate Aug 2014	M			15.761631		-5.2587419		80.827	0.0136	225.0000				
4788	BD+56 2471	RotV	M1V			20	41.469348	57	25.787821	80.844	0.1325	334.5859	-24.14			
4789	GSC 05312-00079	RotV	M4.3V			4	14.288467	-9	-6.910109	80.844	0.1026	145.5401	23.4			
4790	HD 191499B	PM				20	9.5729523	16	48.415719	80.844	0.0933	359.7299	-29.44			
4791	L 829-10	PM	M5/6			12	1.679738	-12	-13.89873	80.844	0.1383	193.5653	38.31			
4792	SCR J2025-3545	PM				20	25.499636	-35	-45.76762	80.844	0.1463	269.7652	63.12			
4793	UCAC3 130-10983	PM				4	18.669111	-25	-7.140725	80.864	0.1190	309.5100				
4794	UCAC4 625-089204	PM				19	59.423386	34	54.426886	80.864	0.0545	277.4772				
4795	2MASS J07370638+2313282	PM				7	37.107376	23	13.462051	80.884	0.2777	120.9892				
4796	EGGR 76	White dwarf	DA3			11	7.9991735	-5	-9.433891	80.884	0.2595	187.1505	25.4			
4797	BD+72 545	PM	K5V			11	45.935766	72	5.7434362	80.904	0.0324	343.9038	-18			
4798	G 239-41	PM	M3.0Ve			15	3.0402591	70	26.13186	80.904	0.2588	31.4429				
4799	UCAC4 436-054003	PM	M4.11			10	55.443645	-2	-49.71356	80.904	0.0645	278.9842	59.49			
4800	V* FP Cnc	BY Draconis variable	K6V			8	8.9391472	32	49.18998	80.904	0.1120	183.8435	11.9			
4801	HD 18445		K2V			2	57.22002	-24	-58.50485	80.924	0.0235	178.4809	50.49			
4802	GJ 3549 B	Flare	M5			9	18.690333	26	45.871332	80.944	0.2345	208.8094				
4803	L 255-28	PM				12	34.664959	-54	-14.99088	80.944	0.2800	253.8059				
4804	LHS 5381	PM	M5V			22	7.8075845	5	39.16559	80.944	0.2754	285.5406	-15			
4805	delta UMa	(Mergrez)	A2Vn		1.9	12	15.426036	57	1.9567393	80.964	0.0600	275.1381	-15.3			Ursae Majoris
4806	LHS 3725	PM	M5V			21	52.196364	27	25.004675	80.964	0.4689	159.4656	-130			
4807	LP 346-8	PM	M4			23	21.217621	30	23.157331	80.964	0.1158	306.0394				
4808	UCAC4 519-039870	Star	M3.5V			7	18.215046	13	42.277358	80.964	0.0228	217.9519				
4809	LP 570-22	PM	M0.5Ve			18	38.796735	4	46.052643	80.984	0.1088	240.8090				
4810	LTT 8853	PM				22	6.9533108	-49	-49.69836	80.984	0.2163	93.7797	12			
4811	Ross 1028b	PM	M2V			14	54.891399	9	56.608889	80.984	0.2956	217.8206	13.88			
4812	[SLS2012] PYC J18320+0046	PM				18	32.042888	0	46.603157	81.004	0.0798	171.4317				
4813	[SLS2012] PYC J07448+0007	PM				7	44.844974	0	7.5908974	81.025	0.0768	205.1212				
4814	2MASS J20485716-0053473	PM				20	48.952954	0	53.791401	81.025	0.0582	129.1053				
4815	beta Aur (Menkalinan)	Exlipsing binary of Algol type	A2IV	A2V	-0.3	5	59.527293	44	56.845923	81.025	0.0328	269.0357	-15.75			Aurigae
4816	GD 215	White dwarf	DA5.6			18	43.428721	4	20.380517	81.025	0.0852	62.0002	-38.9			

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
4817	LP 644-34	PM	M2.5			0	5.5812033	-6	-7.114549	81.025	0.1081	107.3217	-5.18			
4818	UCAC4 118-141883	PM				17	37.510203	-66	-33.23209	81.025	0.2820	187.3364				
4819	UPM 1126-3824	UCAC4 Nearby Star Candidate Aug 2014	M			11.447593		-38.415395		81.029	0.0369	253.7940				
4820	2MUCD 13061	Brown dwarf	L4			1	31.306972	38	1.9231634	81.045	0.2215	95.0922				
4821	BD+00 4050	PM	M0.0Ve			18	54.886866	0	51.780293	81.045	0.0843	209.0729	24.25			
4822	LP 646-17	PM	M2.5V			0	48.222234	-5	-8.128313	81.045	0.1270	123.4103	26.88			
4823	LP 65-22	PM	M4.5			7	33.879	22	23.576667	81.045	0.6471	121.0000				
4824	LP 710-48	PM				2	32.876969	-8	-33.29759	81.045	0.1389	15.1780				
4825	UPM 1019-4437	UCAC4 Nearby Star Candidate Aug 2014	M			10.321563		-44.626674		81.062	0.0293	269.0888				
4826	CD-48 33	PM	M2.5			0	16.032826	-48	-15.65223	81.065	0.1445	189.9940	9.09			
4827	UCAC3 130-478349	PM				22	8.7459953	-25	-5.109617	81.065	0.0744	244.2960	20.22			
4828	UCAC4 315-070111	PM	M2.5			12	38.619038	-27	-3.585331	81.065	0.1483	226.4075	9.9			
4829	UCAC4 429-113490	Star	M4			21	4.7999727	-4	-18.44181	81.065	0.0284	101.8884	46			
4830	UCAC4 499-006972	PM	M3.5V			4	19.135121	9	44.802064	81.065	0.0805	341.4409	25.24			
4831	2MASS J16490419+0444571	Brown dwarf	M8.1V			16	49.069906	4	44.950404	81.085	0.0525	323.4275				
4832	2MASS J19363328-4816535	PM				19	36.5549	-48	-16.89051	81.085	0.1784	288.4857				
4833	BPM 27068	PM	M3			20	54.250604	-53	-29.92848	81.085	0.1128	191.6141	57.2			
4834	G 41-17	PM				9	1.8313117	9	5.1861374	81.085	0.1615	180.4273				
4835	HD 223374	PM	K2.5V			23	49.019337	3	10.870216	81.085	0.0394	90.2088	-18.72			
4836	RG 0050-2722	PM	M7.5:V			0	52.911646	-27	-5.992648	81.085	0.0517	325.3484				Eridani
4837	UPM 1104-6710	UCAC4 Nearby Star Candidate Aug 2014	M			11.076673		-67.174531		81.096	0.0668	327.9153				
4838	2MASS J02281391-6248045	PM				2	28.231927	-62	-48.07502	81.105	0.1299	302.5028				
4839	2MASSW J1148542-254440	Brown dwarf	M8			11	48.904429	-25	-44.67552	81.105	0.0762	298.8745				
4840	b Oph	PM	kA5hA9mF1III			17	26.370278	-24	-10.51849	81.105	0.0682	180.9936	-37.2			Ophiuchi
4841	2MASS J12384789+0958041	PM				12	38.798203	9	58.0714	81.125	0.1253	231.3447				
4842	UCAC4 519-052095	PM	M2.5			11	18.338452	13	47.650687	81.125	0.0570	119.4622				
4843	2MASS J01521830-5950168	UCAC4 Nearby Star Candidate Aug 2014	M			1.8717506		-59.837995		81.129	0.0653	103.2434				
4844	phi 02 Pav	PM	G0VFe-0.8CH-0.5			20	40.043968	-60	-32.93362	81.146	0.3780	151.2279	-32.02			Pavonis
4845	UCAC4 206-006057	PM				5	26.679836	-48	-51.79081	81.146	0.1588	159.9270	4.69			
4846	UCAC4 405-057286	PM	M2.5V			13	41.353759	-9	-7.284084	81.146	0.0601	292.7131	2.79			
4847	HD 219538	PM	K2V			23	16.302629	30	40.212332	81.166	0.2152	284.0101	10.1			
4848	HD 51419	PM	G5VFe-1			6	58.195836	22	28.55307	81.166	0.0633	333.6588	-26.77			
4849	LHS 2804	PM				13	48.67947	-5	-17.13911	81.166	0.3065	152.1146				
4850	UCAC4 350-004622	PM				4	0.2597595	-20	-1.403178	81.166	0.0807	309.6519				
4851	V* HK Aqr	BY Draconis variable	M0Ve			23	8.3258516	-15	-24.59614	81.166	0.0632	99.9371	2.7			
4852	2MASS J23192137+7645437	Brown dwarf	L4			23	19.35574	76	45.731457	81.186	0.1184	287.1013				Cephei
4853	G 71-22	PM	M4V:			1	37.572371	6	56.831656	81.186	0.1419	92.0682	24.55			
4854	USNO-B1.0 0830-00245706	Brown dwarf	L0.2V			9	9.9580292	-6	-58.31084	81.186	0.1105	84.8048	29			
4855	WT 1109	PM				0	37.41599	-13	-43.09415	81.186	0.0942	161.0136	-8.15			

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
4856	UPM 0550+3212	UCAC4 Nearby Star Candidate Aug 2014	M			5.8340279		32.208939		81.196	0.0742	182.0230				
4857	LP 720-31	PM				6	38.588247	-14	-4.969656	81.206	0.1545	248.6635				
4858	UCAC4 778-028013	PM				12	36.691017	65	31.291581	81.206	0.0642	276.3436				
4859	G 137-45	PM				15	44.394588	15	5.7375831	81.227	0.2075	250.2331				
4860	HD 130042	PM	K1V			14	49.395294	-67	-14.15809	81.227	0.1964	198.5563	-23.1			
4861	Wolf 939	PM	M3.5			21	45.414835	-5	-54.09944	81.227	0.2158	202.0638				
4862	LP 271-35	UCAC4 Nearby Star Candidate Aug 2014	M			14.528637		32.242589		81.230	0.1195	176.6499				
4863	G 42-36	PM	M1.5Ve			10	6.9639449	12	40.871044	81.247	0.1864	263.4051	11.71			
4864	LHS 2340	PM	M5V			11	0.5948333	37	28.846667	81.247	0.4338	250.7390	36			
4865	LP 585-73	PM	M2.5V			0	40.440404	0	8.6817452	81.247	0.1050	252.2760				
4866	beta Oph (Cebalrai) (HD 161096) (HIP 86742)		K2 III			17	43.472558	4	34.039572	81.258	0.0931	15.5972	-12.53		0.033	Ophiuchi
4867	UPM 0027-6157	UCAC4 Nearby Star Candidate Aug 2014	M			0.4592515		-61.954715		81.264	0.0606	122.7749				
4868	UPM 1152-3519	UCAC4 Nearby Star Candidate Aug 2014	M			11.88284		-35.318004		81.264	0.0330	186.5742				
4869	2MASS J04553028+0244232	PM	M5.5V			4	55.50475	2	44.389576	81.267	0.4472	122.9246	60			
4870	bet Oph	PM	K2IIICN0.5			17	43.472558	4	34.039572	81.267	0.0931	15.5972	-12.53			Ophiuchi
4871	2MUCD 20333	Brown dwarf	L0			9	11.216139	74	1.1355529	81.287	0.1429	231.0713	-4.06			
4872	LHS 6048	PM				2	25.076741	33	57.803376	81.287	0.2914	110.9691				
4873	LP 620-47	PM				14	38.656084	-2	-57.39781	81.287	0.1238	261.6799				
4874	LTT 44	PM	M3V			0	7.0908189	-56	-5.076984	81.287	0.1977	91.2341	6.54			
4875	NLTT 9017	PM				2	48.59125	19	16.485562	81.287	0.1617	116.6549				
4876	RX J1046.1+4018	UCAC4 Nearby Star Candidate Aug 2014	M			10.769485		40.303897		81.297	0.0193	132.8068				
4877	2MASS J15064152-4230551	PM				15	6.6924003	-42	-30.91827	81.328	0.2990	264.0706				
4878	HD 154712B	PM	K4			17	3.3295416	59	35.267518	81.328	0.2570	55.5530	-70.95			
4879	L 970-27	PM	M3V			11	8.1089838	-5	-13.78561	81.328	0.2578	187.1136				
4880	LSPM J2028+0524	PM				20	28.369472	5	24.545756	81.328	0.1542	236.5522				
4881	PM J21375-1014	UCAC4 Nearby Star Candidate Aug 2014	M			21.625331		-10.240561		81.331	0.3635	163.1602				
4882	LSPM J0621+1554	PM				6	21.841104	15	54.235119	81.348	0.1007	163.5276	35.65			
4883	UCAC3 186-33235	PM				6	10.716762	2	59.796557	81.348	0.0563	259.9440				
4884	HD 154712	PM	K4V			17	3.3110075	59	35.12133	81.369	0.2494	55.9896	-71.77			
4885	HD 74377	PM	K3V			8	45.173273	41	40.310106	81.369	0.4138	203.5940	-24.1			
4886	PG 1344+573	White dwarf	DA3.6			13	46.034293	57	0.5465461	81.369	0.1570	45.4176	48			
4887	SCR J1201-1213B	PM				12	1.6826276	-12	-13.80361	81.369	0.1431	193.3604				
4888	LP 576-34	PM	M2.5Ve			21	5.9398175	4	25.680583	81.389	0.1265	141.7288	-68.1			
4889	LSPM J1550+0616	PM				15	50.079134	6	16.778078	81.389	0.2463	250.8318				
4890	NLTT 20925	PM	M3V			9	4.9947927	2	26.171634	81.389	0.1210	88.7827				
4891	UCAC3 94-383364	PM				19	22.7281	-43	-19.34599	81.389	0.0869	160.0726	-1.48			

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
4892	UCAC4 208-000906	PM				0	56.025091	-48	-26.78963	81.389	0.1387	102.3396				
4893	UPM 0247-6836	UCAC4 Nearby Star Candidate Aug 2014	M			2.7934893		-68.605139		81.398	0.0210	340.5600				
4894	2MASS J03425738-6407563	PM Red & White dwarf stars Subasavage 2004	M4.5V			3	42.95665	-64	-7.9408	81.409	0.6167	142.6990				
4895	LHS 2705	PM				13	15.431865	16	15.128141	81.409	0.4080	166.4318				
4896	LP 43-519	PM				17	25.084993	69	35.687556	81.409	0.1445	25.6067				
4897	SCR J0815-3600	PM				8	15.266441	-36	-0.981875	81.409	0.3629	10.3967				
4898	UCAC4 401-051296	PM				11	3.4228591	-9	-51.17358	81.409	0.1320	145.5213	6.79			
4899	BPM 45048	PM	M3.5			23	36.264611	-48	-35.01226	81.430	0.0781	260.0547				
4900	UPM J0128-4754	PM				1	28.617289	-47	-54.21388	81.430	0.1282	148.2972	16.49			
4901	2MASS J14044948-3159330	Brown dwarf	T1+T5			14	4.8247333	-31	-59.551	81.450	0.1948	92.6531				
4902	SCR 1959-5549	PM Red & White dwarf stars Subasavage 2004	M			19	59.979333	-55	-49.49333	81.450	0.4130	169.9000				
4903	GJ 226.2	PM	K8V			6	7.9208485	67	58.609242	81.470	0.0704	203.4484	-1.88			
4904	HD 114853B	PM				13	13.823388	-45	-10.83416	81.470	0.0930	225.7030				
4905	UPM 1547-2755	UCAC4 Nearby Star Candidate Aug 2014	M			15.791616		-27.920036		81.499	0.0400	90.5829				
4906	UPM 2336+2613	UCAC4 Nearby Star Candidate Aug 2014	M			23.614883		26.23117		81.499	0.0235	219.9869				
4907	2MASS J07302916+6247270	PM				7	30.486254	62	47.452965	81.511	0.0927	331.4070				
4908	2MASS J19433311-6125421	PM				19	43.551965	-61	-25.69763	81.511	0.4390	181.0386				
4909	G 113-42	PM	M2V			8	31.359988	-6	-2.029093	81.511	0.2536	261.3198	74.77			
4910	LHS 1119	PM	sdM3			0	39.933987	-30	-32.77632	81.511	0.3021	150.4999				
4911	LSPM J2202+5305	PM				22	2.0414315	53	5.9495353	81.511	0.1312	274.2457				
4912	HD 29086	Star	K3Vk:			4	33.155712	-36	-56.76275	81.532	0.0264	21.0502	-1.08			
4913	LP 894-32	PM				6	21.426802	-31	-34.96542	81.532	0.1658	235.6137				
4914	NLTT 57483	PM	M7V			23	38.565063	6	24.864552	81.532	0.2650	279.4454	-4			
4915	WT 207	PM	M4V			7	2.6100108	-40	-6.46884	81.532	0.3696	102.0019				
4916	LP 460-44	PM	M7			22	35.818653	18	40.499102	81.552	0.1933	275.3089				
4917	LP 817-50	PM				21	28.685578	-14	-31.06268	81.552	0.1328	147.2414	-11.55			
4918	2MASS J13275084-3549174	PM				13	27.846612	-35	-49.29033	81.572	0.1971	263.6042				
4919	LHS 2480	PM	M6			11	57.565626	79	27.040291	81.572	0.5174	259.4682				
4920	LSPM J0626+3454	PM				6	26.864981	34	54.566479	81.572	0.1065	187.5718				
4921	CD-49 14193	PM	K7.0			23	36.304561	-48	-35.2844	81.593	0.0749	258.9144	-0.78			
4922	2MASSI J2004536-141622	PM	M7.5			20	4.8957297	-14	-16.38408	81.613	0.3054	274.5149				
4923	G 76-8	PM	M5V			2	35.24889	2	47.896201	81.613	0.1481	150.5146	11			
4924	HD 114853	PM	G1.5V			13	13.870428	-45	-11.14803	81.613	0.0912	224.5899	58.76			
4925	LHS 331	PM	M4V			12	29.240267	53	32.748133	81.613	0.7150	83.7030				
4926	UCAC2 35205366	PM	M2.5Ve			8	10.345637	9	35.267064	81.613	0.0501	245.1663	-14.17			
4927	UCAC3 98-145572	PM				14	0.8290452	-41	-9.904267	81.634	0.1491	219.2810				
4928	2MASS J09393881-6135113	PM				9	39.646816	-61	-35.18822	81.654	0.3245	93.6872				
4929	HAT 150-01689	RotV				16	32.105716	46	10.305883	81.654	0.0662	175.7964				

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
4930	LHS 6308	PM				16	34.422568	47	50.472517	81.654	0.2816	264.0146				
4931	LP 444-13	PM				16	0.4126811	19	46.481274	81.654	0.1547	142.1556				
4932	Ross 346	PM	M1.5Ve			3	14.748382	48	31.183312	81.654	0.2144	159.0440	17.59			
4933	UPM 0533+4809	UCAC4 Nearby Star Candidate Aug 2014	M			5.5545315		48.156308		81.667	0.0375	51.5483				
4934	2MASSI J0422205-360608	PM	M6.5			4	22.343178	-36	-6.130635	81.675	0.1273	102.1139				
4935	HD 5351	PM	K4V			0	57.073499	69	2.6072469	81.675	0.4374	108.1073	-51.42			
4936	DENIS J055355.3-224657	PM				5	53.923067	-22	-46.96444	81.695	0.1503	147.5343				
4937	EGGR 327	White dwarf	DA6.9			16	27.891485	9	12.267053	81.695	0.2795	191.6147				
4938	LSR J0401+5131	White dwarf	DC8			4	1.0252207	51	31.501472	81.695	0.5139	155.4083				
4939	zeta Cnc (Tegmine)	B C D	F7 V	F9V, G0V,?		8	12.212106	17	38.866025	81.716	0.0897	169.6868	-7.93		0.053	Cancri
4940	G 270-165	PM				1	10.504734	-11	-26.72595	81.716	0.2104	151.1546				
4941	LF 8 13 265	PM	M0.5Ve			6	19.491621	13	57.049454	81.716	0.0669	112.7155				Orionis
4942	G 274-141	PM				2	3.6407553	-23	-10.18842	81.736	0.2040	220.5783	-11.4			
4943	NLTT 39866	PM				15	17.049905	69	51.831226	81.736	0.0950	17.1919				
4944	PM J11480-4523	White dwarf	DA			11	48.05473	-45	-23.03419	81.736	0.3813	237.6280				
4945	Ross 212	PM	M2:			21	45.151247	61	47.753204	81.736	0.1374	120.6910	-26.44			
4946	HD 221239	PM	K2.5V			23	30.228978	31	42.349551	81.757	0.1346	124.2431	-21.59			
4947	LAWD 84	White dwarf	DA5.1			21	19.608874	-55	-50.24109	81.757	0.2743	113.8685				
4948	LSPM J1003+5154	low-mass	M5.5V			10	3.7677055	51	54.805016	81.757	0.1079	213.9720	-6			
4949	UCAC2 28571602	PM				17	0.7034975	-9	-25.57967	81.757	0.1825	225.7605				
4950	BD-15 869	PM	K7V			4	49.545841	-14	-47.37439	81.777	0.2046	215.7872	27.86			
4951	G 107-38	PM	M1.0Ve			6	56.474642	40	5.0861544	81.777	0.2600	164.8947	51.59			
4952	G 129-49	PM				23	57.908719	21	59.468662	81.798	0.2177	99.8551	-24.23			
4953	G 138-48	UCAC4 Nearby Star Candidate Aug 2014	M			16.642095		6.6732294		81.801	0.1667	161.0591				
4954	SIPS 1116-2549	UCAC4 Nearby Star Candidate Aug 2014	M			11.271871		-25.82203		81.801	0.1542	200.6573				
4955	2MASS J23545993-1852216	Brown dwarf	L2.6:V			23	54.998732	-18	-52.36499	81.818	0.1098	254.0484				
4956	BD+60 637		M0.0Ve			3	11.947659	61	31.22162	81.818	0.0489	350.8360	-32.4			
4957	HD 105631	PM	G7V			12	9.6209391	40	15.12341	81.818	0.1852	260.7806	-2.36			
4958	UCAC4 529-044334	PM	M3.5			7	58.502375	15	43.670925	81.818	0.0642	186.2693				
4959	UPM 0350-4826	UCAC4 Nearby Star Candidate Aug 2014	M			3.8458877		-48.437753		81.834	0.0549	292.8719				
4960	68 Eri	PM	F5.5VkF4mF2			5	8.7283075	-4	-27.37234	81.839	0.0330	286.0157	10.59			Eridani
4961	CD-46 943	PM	M1V			3	11.256137	-46	-31.05761	81.839	0.2568	333.6570	60.18			
4962	G 161-66	PM	M4.0			9	42.214065	-7	-1.771299	81.839	0.2319	195.3492				
4963	LSPM J1032+5537	PM				10	32.895176	55	37.884146	81.839	0.1777	185.7220				
4964	UCAC4 237-174366	PM				22	8.2705404	-42	-42.98479	81.839	0.2665	158.9831				
4965	2MASS J12154430-3420594	Brown dwarf	T4.5			12	15.7385	-34	-20.99167	81.859	0.2391	212.9748				
4966	L 200-104	PM				15	30.863766	-58	-51.58457	81.859	0.1722	138.6203	0.29			
4967	L 358-12	PM				22	50.970206	-45	-48.57783	81.859	0.1216	321.7785				
4968	LHS 5103	PM				5	20.835854	-15	-40.40722	81.859	0.2841	122.2278				

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
4969	UCAC4 631-043911	RotV	M4V			8	11.253797	36	7.4708198	81.859	0.3178	248.8734	18			
4970	HD 215500	PM	G8V			22	44.097101	64	34.240253	81.880	0.1754	170.3877	-45.57			
4971	HD 218687	PM	G0V			23	9.9516639	14	25.593267	81.880	0.0861	234.6303	-23.2			
4972	2MASS J19294419+7656502	PM				19	29.737364	76	56.835666	81.900	0.1290	90.4838				
4973	G 162-22	PM				10	10.784645	-5	-7.520663	81.900	0.2504	84.0119				
4974	UPM 1651-0006	UCAC4 Nearby Star Candidate Aug 2014	M			16.86508		-0.1097236		81.902	0.0205	62.8540				
4975	2MASS J05501099+0940011	PM				5	50.183438	9	40.020005	81.921	0.2046	313.0238				
4976	2MASS J07231462+5727081	Brown dwarf	L0.2V			7	23.243778	57	27.131174	81.921	0.1380	165.5157				
4977	BD+02 2944B	PM	K4			15	19.320711	1	46.080698	81.921	0.3659	143.7896	54.63			
4978	BD+40 1758	PM	K4.5V			6	56.468657	40	4.4597433	81.921	0.2631	165.0424	50.87			
4979	G 210-45	PM	M0.5Ve			20	58.698837	34	16.450728	81.921	0.1890	116.4747	11.56			
4980	LP 247-47	PM	M6			3	34.556241	37	40.033647	81.921	0.1318	47.7567				
4981	LSPM J0451+0305	PM				4	51.234385	3	5.4748183	81.921	0.1519	276.4323				
4982	UCAC2 39338896	Star				18	2.0674129	21	7.2792063	81.921	0.0231	305.5712	-50.9			
4983	UCAC3 121-170828	PM				14	56.584363	-29	-32.91068	81.921	0.0799	113.3355	4.79			
4984	UCAC4 563-038466	PM				7	8.0108325	22	33.460165	81.921	0.0685	225.5230	23.48			
4985	UPM 0234-5128	UCAC4 Nearby Star Candidate Aug 2014	M			2.5718548		-51.479501		81.935	0.0594	99.3608				
4986	2MASS J14211873-1618201	PM	M7.5			14	21.311814	-16	-18.34058	81.942	0.1494	256.3797				
4987	G 239-19	PM	M2.5			14	31.466757	72	45.34099	81.942	0.1685	249.0401				
4988	LHS 2313	PM				10	49.010882	47	45.897739	81.942	0.2964	249.0371				
4989	EC 11490-2715	White dwarf	DQ			11	51.601743	-27	-32.3522	81.962	0.1300	77.7795				
4990	LHS 2593	PM	M4.5			12	38.603628	5	21.639822	81.962	0.3212	263.7941				
4991	CD-34 1169	PM	MV			3	14.329284	-34	-2.04841	81.983	0.0999	193.9472	34.22			
4992	LSPM J2347+0304	White dwarf	DC			23	47.58554	3	4.5311202	81.983	0.1670	323.7381				
4993	TYC 2762-1790-1	Star				22	57.937717	36	5.4182755	81.983	0.0137	28.6467	-40			
4994	BD+22 1921	PM	K3			8	23.515197	21	50.961457	82.004	0.2248	129.4658	-27.07			
4995	CD-60 8051	PM				23	20.12541	-60	-3.910742	82.004	0.2004	248.2300	1.2			
4996	TYC 4532-731-1	PM	M0.5Ve			5	22.656195	79	34.519103	82.004	0.0583	122.9347	-11.63			
4997	BD+03 3531a	PM	K6V			17	55.412999	3	45.27018	82.024	0.0484	73.0260	-8.41			
4998	2MASS J15202740+5538502	PM	M5.5			15	20.456778	55	38.836109	82.045	0.0740	122.9670				
4999	G 104-33	PM				6	19.957279	20	22.328927	82.045	0.1237	163.7889				
5000	LAWD 13	White dwarf	DA4.7			2	56.28701	-70	-22.18084	82.045	0.5642	114.4244	49.9			
5001	AG+14 2584	PM	K5V			23	9.915682	14	25.592446	82.065	0.0898	231.3276	-2.35			Pegasi
5002	BD+79 590	PM	K5			18	26.480031	79	25.394876	82.065	0.2088	356.9224	-23.26			
5003	G 113-43	PM	M3			8	31.453631	-6	-2.209662	82.065	0.2566	262.0291				
5004	G 150-17	PM	M2.5Ve			13	35.845956	14	41.196209	82.065	0.1599	184.3709				
5005	HD 115043	PM	G1Va			13	13.616802	56	42.496049	82.065	0.0658	99.5480	-8.58			
5006	HD 50223	PM	F5.5V			6	49.910282	-46	-36.87361	82.065	0.2172	0.2019	20.85			Puppis
5007	TYC 5977-1244-1	Star				7	15.347008	-20	-49.50688	82.065	0.0051	134.0760				
5008	2MASS J03010320+4416567	PM	M6			3	1.0532551	44	16.949944	82.086	0.0875	149.3743				
5009	HD 54371	SB	G6V			7	9.589831	25	43.718838	82.086	0.1253	215.6299	-3.65			

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
5010	LHS 2258	PM				10	25.047038	-9	-5.241199	82.107	0.3165	232.5475				
5011	LSPM J0550+0939	PM				5	50.195743	9	39.821892	82.107	0.2072	312.3145				
5012	G 165-23	PM	M4.0			13	41.462048	32	27.359035	82.128	0.2008	221.2940				
5013	LSPM J0533+5054	PM				5	33.8964	50	54.287114	82.128	0.1377	222.9865				
5014	LHS 6234	PM	M2.5			12	29.160077	62	39.653392	82.148	0.2277	226.2376				
5015	2MASS J07062855+3858247	PM	M7			7	6.4757933	38	58.41429	82.169	0.0299	10.5180				
5016	G 69-34	PM				0	56.868622	30	10.684019	82.169	0.1648	113.6487	-2.41			
5017	HD 132254	PM	F8-V			14	56.384011	49	37.706939	82.169	0.1463	153.8422	-15.53			
5018	HD 181655	PM	G5V			19	19.649981	37	19.832424	82.169	0.1127	198.5195	2.08			
5019	G 159-010	UCAC4 Nearby Star Candidate Aug 2014	M			1.8971112		3.2228244		82.170	0.2025	274.4492				
5020	G 45-4	PM	M3.5			10	46.065543	9	41.855766	82.190	0.1671	203.3199				
5021	L 467-21	PM				11	19.684356	-36	-15.32986	82.190	0.2624	138.3501				
5022	UPM 1701-4558	UCAC4 Nearby Star Candidate Aug 2014	M			17.025073		-45.97805		82.204	0.0924	225.4845				
5023	2MASS J11342985-5033400	PM				11	34.497386	-50	-33.66887	82.231	0.1836	260.5842				
5024	2MASS J16541588-3818593	PM				16	54.264577	-38	-18.99447	82.231	0.2577	203.2665				
5025	HD 86972	PM	K3+Vk:			10	1.6215803	-15	-25.48703	82.231	0.1473	83.2986	19.33			
5026	G 193-37	PM	M0V			7	12.189582	52	16.409029	82.252	0.1718	207.7624	8.11			
5027	LEHPM 2-1571	White dwarf	DA6.5			21	6.5336245	-39	-35.94465	82.252	0.1325	149.6956				
5028	G 195-47	PM	M1.5Ve			9	53.558727	50	45.065216	82.273	0.3050	88.2218	14.79			
5029	HD 17190	PM	K2IV			2	46.253437	25	38.994021	82.273	0.1632	122.0933	14.24			
5030	HD 179957	PM	G3V			19	12.077989	49	51.233291	82.273	0.3814	16.2983	-41.86			
5031	HD 3823	PM	G0VFe-0.9CH-0.4			0	40.427838	-59	-27.2761	82.273	0.5752	296.7004	3.08			
5032	LHS 330	PM	M6			12	29.238	53	33.101667	82.273	0.7029	84.0000				
5033	2MASS J18131097+4331570	PM				18	13.182587	43	31.94587	82.294	0.0789	221.9061				
5034	CPD-66 3810B	PM	M1V			23	53.695434	-65	-56.90561	82.294	0.0569	26.5658	19.54			Tucanae
5035	G 265-21	PM				3	57.675904	81	55.422468	82.294	0.1701	158.3150				
5036	Ross 122	PM	M2.0Ve			11	57.546708	11	49.66463	82.294	0.4208	70.6276	-20.39			
5037	SCR J1058-3854	PM	M			10	58.784592	-38	-54.2448	82.294	0.4020	73.2146				
5038	GJ 2022 C	PM				1	24.510394	-33	-55.02862	82.314	0.1248	128.6489	18.3			
5039	LP 161-28	PM				6	44.820093	47	1.2256158	82.314	0.2017	242.9482				
5040	Ross 25	PM	M3.77			4	1.1259654	51	23.321746	82.314	0.5138	155.5435	-10.94			
5041	UCAC3 87-5639	PM				2	34.87911	-46	-56.41865	82.314	0.0660	347.6516	5.32			
5042	HD 161198	SB	G9V			17	43.261199	21	36.558047	82.335	0.3898	192.7173	23.7			
5043	LP 760-66	PM				22	43.315729	-9	-27.68486	82.335	0.1337	194.9674	-18.23			
5044	SCR J2018-3635	PM				20	18.108676	-36	-35.46134	82.335	0.1335	125.7952				
5045	UPM 1454-3358	UCAC4 Nearby Star Candidate Aug 2014	M			14.912423		-33.969437		82.338	0.0661	178.2337				
5046	CE 436	PM	M4.5			14	26.828379	-32	-56.81655	82.356	0.0626	98.6679				
5047	LHS 1741	PM				5	9.5849611	70	20.498929	82.356	0.4318	176.1594				
5048	2MASS J14203682-7516058	PM				14	20.61389	-75	-16.09428	82.377	0.0836	248.7977	10.67			
5049	HD 223913	PM	G0V			23	53.664655	-65	-56.82814	82.377	0.0552	26.5397	22.29			

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
5050	SCR J1928-3634	PM red / white dwarf stars Subasavage 2005	M			19	28.559938	-36	-34.50082	82.377	0.2697	168.0851				
5051	UCAC4 456-008319	PM	M4.0V			5	1.9443311	1	8.7150146	82.377	0.0563	159.4795	16.89			
5052	UCAC4 457-046840	PM				10	6.363728	1	21.386709	82.377	0.0432	160.1052				
5053	BPM 43997	PM	M7			21	26.236824	-42	-27.53342	82.398	0.0470	34.8205				
5054	G 104-47	PM	M2.5V			6	36.199062	20	8.2296382	82.398	0.1376	157.6495				
5055	GJ 786.1	PM	G/K			20	15.877226	42	58.743408	82.398	0.0353	170.3534	13.18			
5056	LTT 2856	PM				7	26.484152	-70	-49.67634	82.398	0.2482	43.2035	5.4			
5057	PM J04356-6105	White dwarf	DC			4	35.624056	-61	-5.66829	82.398	0.2791	300.5486				
5058	UPM J0809-4519	PM				8	9.8497027	-45	-19.77024	82.398	0.1504	59.8978				
5059	UPM 2306-1556	UCAC4 Nearby Star Candidate Aug 2014	M			23.100824		-15.937561		82.405	0.0726	95.2901				
5060	G 149-30	PM				13	1.7414743	26	20.509181	82.418	0.1369	219.5260				
5061	HD 78141	PM	K0			9	7.3012265	22	52.358344	82.418	0.0364	181.0344	-12.41			
5062	LHS 2438	PM	M:			11	39.917035	-11	-38.68136	82.418	0.3141	92.5558				
5063	HD 136064 (HIP 74605) (GJ 9517)	PM	F8V		3.13	15	14.638988	67	20.803239	82.427	0.2622	150.5406	-48.01			Ursae Minoris
5064	SCR 0149-8038	PM Red & White dwarf stars Subasavage 2004	M			1	49.725833	-80	-38.46333	82.427	0.4640	80.5000				
5065	UPM 0800-2933	UCAC4 Nearby Star Candidate Aug 2014	M			8.0150327		-29.561352		82.439	0.0796	227.7545				
5066	2MASS J08234818+2428577	Brown dwarf	L2			8	23.802959	24	28.962444	82.439	0.0971	74.8585	-51			
5067	LP 661-15	White dwarf	DC			7	0.6984288	-7	-34.31107	82.439	0.1226	47.4958				
5068	V* MS Cam	BY Draconis variable	G0V			4	33.904036	64	38.004847	82.439	0.0394	258.8531	-9.6			
5069	G 157-56	PM	M3.0			23	24.093857	-5	-11.22783	82.460	0.2115	272.9962				
5070	HD 115675	PM	K0			13	4.1212963	87	6.9257668	82.460	0.1182	26.9674	-48.07			
5071	2MASS J06241266+6557427	Star				6	24.211749	65	57.71145	82.481	0.0232	105.9705				
5072	GJ 2022 A	PM	M4.6V			1	24.461333	-33	-55.14333	82.481	0.1217	121.7151	18.4			
5073	G 173-18	PM	M1.3V			1	45.303534	46	32.13053	82.502	0.2585	299.2712	17.85			
5074	G 272-34	PM				1	32.299332	-12	-3.03668	82.502	0.2437	96.6380				
5075	HD 203418	PM	K3V			21	20.429541	47	33.449166	82.502	0.0950	152.8134	-17.85			
5076	LSPM J1211+0724	White dwarf	DA8.5			12	11.313688	7	24.802701	82.502	0.1384	196.7614				
5077	TYC 3585-2749-1	RotV				20	26.518988	50	51.492082	82.502	0.0419	309.3389	-24.55			
5078	UCAC4 280-208712	PM				19	3.0092016	-34	-0.231787	82.502	0.1424	174.4360				
5079	2MASS J00315477+0649463	Brown dwarf	M7			0	31.912809	6	49.773094	82.523	0.1642	278.5781				
5080	LHS 1788	PM	M5.5			5	47.871038	69	44.454274	82.523	0.5072	125.9009				
5081	LHS 3492	PM	M:			19	51.520889	-50	-55.62929	82.523	0.4849	192.3663				
5082	HD 61214	PM	K3.5Vk:			7	35.447263	-52	-26.55209	82.544	0.1653	24.0695	22.2			
5083	2MASSW J0135358+120522	Brown dwarf	L1.5V			1	35.597726	12	5.3652005	82.565	0.2588	185.4844				
5084	G 49-22	PM				9	43.190597	21	26.419054	82.565	0.1493	267.7096				
5085	UCAC3 44-278329	PM				22	0.3107253	-68	-0.347958	82.565	0.1478	152.8297	-24.66			
5086	UCAC4 253-012762	PM				6	58.31502	-39	-32.25781	82.565	0.1352	19.1366	42.45			
5087	2MASS J17340489-7115241	Star	M3.5			17	34.081348	-71	-15.40201	82.586	0.0205	347.7084				

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
5088	GSC 02245-00754	PM	M3			23	26.284465	27	52.058275	82.586	0.0354	224.9607	9.45			
5089	HD 184960	PM	F7V			19	34.329829	51	14.19713	82.586	0.1111	170.9006	1.1			
5090	L 829-24	PM	M3			12	0.614657	-13	-49.60927	82.586	0.2777	269.9288				
5091	V* NO UMa	RSCVn	K2Ve			12	31.315333	55	7.1381097	82.586	0.0615	103.7958	-13.9			
5092	2MASS J18283322-3715445	PM				18	28.553509	-37	-15.74763	82.606	0.1552	219.5231				
5093	G 273-144	PM	M2.0V			23	49.03882	-8	-24.51338	82.606	0.2296	124.7036	-5.33			
5094	LP 1032-84	PM				22	14.678999	-41	-10.90745	82.606	0.2663	100.6789				
5095	SSSPM J0006-2157	Brown dwarf	M8.7V			0	5.8076917	-21	-57.32939	82.606	0.4198	99.9587				
5096	2MASS J04225992-4106489	PM	M3.5			4	22.999409	-41	-6.818923	82.627	0.2549	115.0504				
5097	G 199-69	PM				13	25.393697	57	57.977845	82.627	0.1738	5.2532				
5098	LEHPM 1188	PM	M5.5e			1	3.2000205	-53	-51.72229	82.627	0.1299	204.8012				
5099	LP 734-10	PM				12	0.6082182	-13	-49.67681	82.627	0.2725	89.7073				
5100	UPM 1444-7148	UCAC4 Nearby Star Candidate Aug 2014	M			14.740359		-71.815264		82.640	0.0452	233.4843				
5101	UPM 2244-6326	UCAC4 Nearby Star Candidate Aug 2014	M			22.737205		-63.437049		82.640	0.0888	26.1119				
5102	BD+01 2535	PM	K6V			11	13.167885	0	14.330257	82.648	0.2654	244.6359	56.2			
5103	LP 707-61	White dwarf	DA			1	19.534911	-14	-15.44612	82.648	0.3536	195.8863				
5104	LP 722-22	PM				7	27.26827	-12	-44.20923	82.648	0.1388	80.5243	25.14			
5105	LP 933-37	PM				23	1.3978896	-26	-49.78189	82.648	0.1514	275.7612				
5106	G 158-74	PM	M4.0V			0	24.436925	-12	-17.33102	82.669	0.1671	273.6233				
5107	G 26-19	PM				21	37.886592	-3	-37.85966	82.669	0.2253	107.6772				
5108	UCAC4 649-039453	PM	M2.0V			6	30.787643	39	47.619076	82.669	0.0754	311.8906	-18.73			
5109	5 Ser	MQ Ser, BY Draconis variable	F8IV		3.08	15	19.313285	1	45.924475	82.690	0.3690	144.0683	54.3			Serpentis
5110	G 235-29	PM				9	34.106959	64	22.794234	82.690	0.2522	277.4427				
5111	UCAC4 690-051712	PM				10	25.625107	47	50.277974	82.690	0.0298	292.9759				
5112	UCAC4 714-050592	PM	M4.0V			12	15.656123	52	39.145334	82.690	0.0601	270.5503				
5113	Wolf 1122	PM	M1.5Ve			19	55.880169	51	16.368321	82.690	0.3409	306.3071	-47.71			
5114	UPM 2341-0256	UCAC4 Nearby Star Candidate Aug 2014	M			23.697773		-2.9415889		82.708	0.0664	123.5648				
5115	G 130-21	PM				23	53.990023	28	28.247552	82.711	0.2436	287.3597				
5116	LHS 3005	PM	M3.5			14	57.342455	14	58.908648	82.711	0.3379	74.9579				
5117	TYC 3733-641-1	PM				4	52.165838	53	11.061581	82.711	0.0703	83.1540	-8.37			
5118	UCAC3 56-432979	PM				21	23.894237	-62	-13.27859	82.711	0.0772	214.1054	-17.32			
5119	2MASS J05435795-2253063	PM				5	43.965984	-22	-53.10931	82.732	0.1580	165.2443				
5120	CD-63 9	PM				0	32.257022	-63	-5.475587	82.732	0.3149	100.7972				
5121	UPM 0812+0709	UCAC4 Nearby Star Candidate Aug 2014	M			8.2007114		7.1591422		82.741	0.0623	309.8056				
5122	alpha Ser Unukalhai	B C	K2IIIbCN1	?	0.87	15	44.267827	6	25.537481	82.753	0.0851	288.7039	2.63		0.033	Serpentis
5123	G 158-73	PM	M2.5V			0	24.420344	-12	-17.41125	82.753	0.1674	274.1472	7.43			
5124	LSPM J0227+5432		M4.5+M5.0			2	27.284969	54	32.792385	82.753	0.0844	127.9264				
5125	G 46-24	PM	M1.0Ve			9	9.9843064	0	23.757077	82.774	0.2946	136.5620	6.65			
5126	GD 309	White dwarf	DA4.7			11	26.873231	59	19.285074	82.774	0.0962	109.2151	39			

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
5127	LHS 6179	PM	M4V			9	57.966602	11	48.479999	82.774	0.2625	249.4877	20			
5128	LSPM J0237+0101	PM				2	37.509516	1	1.0080301	82.774	0.2095	207.5433				
5129	NLTT 18216	PM				7	41.328834	67	18.732256	82.774	0.1652	201.4784				
5130	UCAC4 402-013866	PM	M4.0V			6	32.338297	-9	-43.48398	82.774	0.0317	195.7441	56.1			
5131	HD 119124B	PM	K7			13	40.40865	50	30.959514	82.795	0.0837	65.6668	-13			
5132	lambda 2 For	PM	G1V			2	36.976799	-34	-34.67856	82.795	0.1110	194.1894	11.15			Fornacis
5133	UCAC4 080-054759	PM				23	9.8216476	-74	-7.778981	82.795	0.2058	159.5432	25.36			
5134	UPM 1311-4619	UCAC4 Nearby Star Candidate Aug 2014	M			13.197022		-46.321402		82.808	0.0422	67.3194				
5135	G 251-45	PM	M4.0V			7	47.09724	76	3.321199	82.816	0.2415	159.2855				
5136	GJ 4345	Flare	M5V			23	35.688601	6	11.340636	82.816	0.3660	296.4756	15			
5137	LHS 2862	PM	M:			14	7.5926663	-6	-0.81723	82.816	0.4352	203.7945				
5138	BD+33 2433	PM	K5			14	16.227402	32	34.695243	82.838	0.2704	177.9546	-9.5			
5139	HD 149621	PM	K5.5Vk:			16	37.271603	-33	-8.853436	82.838	0.0809	107.0251				
5140	UCAC4 817-018354	PM	M3.5V			13	18.22581	73	22.122373	82.838	0.0752	146.2487				
5141	G 215-20	PM	M0.5V			21	53.983362	41	46.741246	82.859	0.3068	133.1180	-49.64			
5142	G 96-4	PM	M1			4	50.254721	45	58.831801	82.859	0.1778	139.5758	17.63			
5143	LP 655-3	PM				4	19.796567	-5	-8.597913	82.859	0.1938	195.0021				
5144	LP 476-6	PM	M4.3V			4	44.13558	14	1.3757756	82.880	0.1049	219.0335	-13.9			
5145	78 UMa		F2V		2.94	13	0.7283248	56	21.98017	82.901	0.0628	271.0880	-9.8			Ursae Majoris
5146	LHS 3057	PM	M3			15	19.31103	67	51.291951	82.901	0.3574	49.1088				
5147	LSPM J1859+0156	PM	M4.5V			18	59.466399	1	56.040624	82.901	0.3933	143.0884	-90			
5148	G 41-10	PM	M4V			8	58.210584	19	43.815501	82.922	0.2571	76.7117	58			
5149	HD 151613	SB	F2V			16	45.29802	56	46.913308	82.922	0.0416	339.6699	-3.6			
5150	HD 17970	PM	K2V			2	52.328145	-33	-27.03815	82.943	0.2512	271.1453	65.61			
5151	UPM J1953+4217	PM				19	53.405006	42	17.402644	82.943	0.0701	60.3061				
5152	BD-12 165	PM				0	56.840399	-11	-35.33026	82.964	0.1834	220.3333	-8.98			
5153	HD 9986	PM	G2V			1	37.681321	12	4.7028569	82.964	0.0700	272.8860	-21.01			
5154	UPM 1227-6716	UCAC4 Nearby Star Candidate Aug 2014	M			12.458126		-67.27138		82.976	0.0253	269.2098				
5155	HD 37706B	PM	K5V			5	38.164084	-46	-6.342136	82.985	0.2882	195.1989	13.62			
5156	LHS 2112	PM	M6V			9	9.4310762	49	39.481242	82.985	0.5191	224.4880				
5157	UPM 1729+0933	UCAC4 Nearby Star Candidate Aug 2014	M			17.497611		9.5603547		83.010	0.0277	203.6569				
5158	2MASS J08230838+6125208	Brown dwarf	L2.5V			8	23.138793	61	25.342558	83.028	0.2988	244.9602				
5159	HD 119124	PM	F7.7V			13	40.387206	50	31.164936	83.028	0.0807	65.0228	-12.44			Ursae Majoris
5160	UCAC4 507-044487	PM	M5V			8	4.242788	11	16.026315	83.028	0.0993	256.7488	30			
5161	UPM 1054-1507	UCAC4 Nearby Star Candidate Aug 2014	M			10.906401		-15.118983		83.043	0.0642	240.9958				
5162	EGGR 151	White dwarf	DA5.5			21	54.107562	-1	-17.1592	83.049	0.1511	178.4933	113			
5163	HD 138763	PM	F9IV-V			15	34.346799	-5	-41.70562	83.049	0.0545	86.6078	-36.95			
5164	LP 335-13	PM	M0V			18	39.535154	30	9.9128659	83.049	0.1121	208.4199	-30.46			
5165	UCAC4 449-041963	PM				8	0.0589581	0	15.533678	83.049	0.0967	210.5034	-40.6			

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
5166	2MASS J10343785-4259570	PM				10	34.629996	-42	-59.944	83.070	0.4831	61.5810				
5167	LHS 1686	PM	M4			4	36.655794	11	13.290313	83.070	0.3695	301.6628				
5168	LHS 3140	PM	M4.5			15	59.487281	23	21.64982	83.070	0.3559	32.4762				
5169	2MASS J03072817-2731534	UCAC4 Nearby Star Candidate Aug 2014	M			3.1244942		-27.531544		83.077	0.0828	141.6167				
5170	UPM 1436-3814	UCAC4 Nearby Star Candidate Aug 2014	M			14.609581		-38.243834		83.077	0.0586	225.6031				
5171	G 217-23	PM	M3.5			23	54.174961	51	41.165383	83.091	0.1575	284.7268				
5172	G 262-23	PM	M5V			20	40.447933	65	0.4484352	83.091	0.2305	335.2395	-60			
5173	HD 76218	Star	G5V			8	55.928049	36	11.77138	83.091	0.0167	243.6507	-12.99			
5174	LHS 3317	PM	M3			17	42.729161	-41	-1.154195	83.091	0.3141	198.1776				
5175	BD+47 1863	PM	K6V			11	22.095879	46	54.503021	83.112	0.1392	235.6778	-5.74			
5176	G 114-10	PM	M2			8	38.907822	-9	-33.97612	83.112	0.1387	205.2318	46.32			
5177	G 157-45	PM				23	19.593761	-8	-53.28383	83.112	0.1715	235.8132	-40.66			
5178	G 168-38	PM	M1.5Ve			16	15.536299	24	27.781326	83.112	0.1490	14.0995	-47.2			
5179	G 206-3	PM				18	2.5376548	30	27.087415	83.112	0.1527	185.1101				
5180	HD 213429	SB	F8V			22	31.305471	-6	-33.31781	83.133	0.0955	117.4578	-9.72			
5181	LP 844-4	PM				8	37.565702	-22	-32.52959	83.133	0.1125	84.9550				
5182	UCAC4 428-126424	PM				23	56.340179	-4	-29.52522	83.133	0.1174	95.4274	46.16			
5183	G 68-46	PM	M4.0V			23	51.371609	23	44.343013	83.155	0.1610	106.3106	-2.1			
5184	HD 224129	PM	K3V			23	55.44331	22	11.596944	83.155	0.1453	126.0264	-11.7			
5185	UCAC3 131-54431	PM				7	21.136081	-24	-52.3747	83.155	0.0681	182.9984	55.23			
5186	CD-37 1501	PM	M2.5V			3	53.328276	-37	-3.98517	83.176	0.6743	200.6540	22.83			
5187	G 241-48	PM				23	17.231826	62	56.200434	83.176	0.1974	264.2428				
5188	G 66-64	PM				15	7.0107136	6	15.520719	83.176	0.2605	67.7420				
5189	SCR 0012-4406	UCAC4 Nearby Star Candidate Aug 2014	M			0.2146654		-44.10752		83.178	0.0267	310.1411				
5190	2MASS J08251563-6625443	PM				8	25.260783	-66	-25.73952	83.197	0.0711	35.4639				
5191	EGGR 264	White dwarf	DB3			23	19.589802	-17	-5.474471	83.197	0.1571	90.0000				
5192	LHS 3484	PM	M3.5			19	47.074672	-71	-5.54905	83.197	0.3920	171.7372				
5193	LP 546-25	PM				8	59.926543	6	10.088312	83.197	0.1019	84.9121				
5194	LSPM J2237+5248	PM				22	37.680892	52	48.245125	83.197	0.1153	174.0518				
5195	UPM J1926-5838	PM				19	26.768758	-58	-38.85927	83.197	0.1896	236.2159				
5196	G 165-7	White dwarf	DZ7			13	30.990309	30	29.894194	83.218	0.2847	257.8597				
5197	G 193-36	PM				7	11.825271	50	5.5681603	83.218	0.1348	318.1224				
5198	2MASS J17384100-5942243	PM				17	38.683588	-59	-42.40642	83.240	0.1578	152.5401				
5199	HD 212658	PM	K4.5Vk			22	26.225476	-19	-11.30565	83.240	0.1374	95.9511	-20.66			
5200	LAWD 30	White dwarf	DA5.9			9	29.133072	-71	-33.98321	83.240	0.2636	40.5726				
5201	LP 710-8	PM	M3.0			2	22.296596	-13	-11.09203	83.240	0.1456	270.7409				
5202	UPM 1608-0607	UCAC4 Nearby Star Candidate Aug 2014	M			16.141239		-6.1262447		83.245	0.0188	219.2144				
5203	UPM 2222-6303	UCAC4 Nearby Star Candidate Aug 2014	M			22.377692		-63.057168		83.245	0.0617	145.8754				

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
5204	LAWD 91	White dwarf	DZ5			22	19.805145	-65	-29.29142	83.261	0.3933	162.7074	-20			
5205	UPM 1231-1529	UCAC4 Nearby Star Candidate Aug 2014	M			12.52117		-15.497181		83.278	0.0710	163.3772				
5206	2MASS J10252563-4918389	PM	M4			10	25.427182	-49	-18.65076	83.282	0.1247	73.3493	1.7			
5207	Ross 129	PM	M1.5Ve			11	55.120197	0	58.425607	83.282	0.4312	87.5137	32.61			
5208	2MASS J03420604-6123290	PM				3	42.101309	-61	-23.48151	83.304	0.1823	297.9733				
5209	2MASS J21571877-3520194	PM				21	57.313098	-35	-20.32481	83.304	0.1279	111.3488				
5210	LHS 3421	PM	M2			18	52.872248	-57	-7.622301	83.304	0.4712	197.6829	0.7			
5211	2MASS J08503593+1057156	Brown dwarf	L6.5+L8.5			8	50.5989	10	57.260333	83.325	0.0866	255.2173				
5212	CD-43 2742	PM	M0V			6	51.711174	-43	-53.23785	83.325	0.0365	117.0657	21.58			
5213	G 132-77	PM				1	24.643521	40	10.05495	83.325	0.2241	130.2990	-70.56			
5214	L 870-44	PM	M3			1	46.614033	-8	-38.96013	83.325	0.2626	113.8395	-683.85			
5215	V* EW Cet	BY Draconis variable	K0V			1	16.403252	-12	-5.820089	83.325	0.0779	92.0752	8.49			
5216	WISE J031145.52-471950.2	UCAC4 Nearby Star Candidate Aug 2014	M			3.1959565		-47.330606		83.346	0.0518	92.3189				
5217	CD-31 7745B	PM				9	53.456267	-31	-45.14076	83.346	0.1178	229.3954				
5218	HD 187237	PM	G2IV-V			19	48.014688	27	52.171717	83.346	0.1294	2.5596	-32.95			
5219	LHS 5081	PM	M0V			3	45.465695	72	59.537311	83.346	0.2835	155.3125	37.04			
5220	Wolf 59	PM	M0.5Ve			1	16.168853	60	9.2138099	83.346	0.2494	117.7063	7.19			
5221	WT 108	PM				3	13.921121	-68	-7.981938	83.346	0.2110	308.2507				
5222	UPM 1921-0538	UCAC4 Nearby Star Candidate Aug 2014	M			19.361876		-5.6399247		83.379	0.0366	278.1301				
5223	G 249-30	PM				6	1.2883614	67	21.775797	83.389	0.1890	149.2014				
5224	rho Psc	V	F2V:var		3.27	1	26.254378	19	10.34091	83.389	0.0165	67.0487	-2.15			Piscium
5225	Ross 448	PM	M1.0Ve			11	24.760791	67	33.205146	83.389	0.2286	126.7439	-27.15			
5226	GJ 3160	PM	M2.5Ve			2	28.911339	12	5.3488021	83.410	0.0489	2.7122	-50.28			
5227	LHS 3471	PM	M2.5			19	34.60806	-62	-50.64377	83.410	0.2997	225.0728				
5228	LHS 5080	PM	M3.5			3	43.72144	72	53.820701	83.410	0.2841	154.9539				
5229	LP 571-80	PM	M2.0Ve			18	57.175677	7	34.283172	83.410	0.1113	222.7095	-5.11			
5230	UGPS J190524.98+135153.8	PM				19	5.4162093	13	51.889549	83.410	0.0477	183.2519				
5231	PG 1632+177	White dwarf	DA4.9			16	34.697464	17	36.568144	83.431	0.0491	112.7729				
5232	CD-48 1042	PM	K7V			3	40.489769	-47	-55.50917	83.453	0.0799	318.2189	23.2			
5233	G 242-49	PM	M2.0Ve			0	15.608091	72	17.013159	83.453	0.2090	298.4027				
5234	UCAC4 475-058788	PM	M3.0V			16	29.910918	4	53.427504	83.453	0.0593	160.2834				
5235	LHS 1914	PM	M4V			7	22.70016	30	40.195685	83.474	0.4183	214.5823	13			
5236	LP 705-93	PM				0	43.655902	-11	-26.14536	83.474	0.1800	273.6962				
5237	UCAC3 147-5784	PM				2	29.682749	-16	-49.48252	83.474	0.0505	162.4025	13.6			
5238	2MASS J18525777-5708141	PM				18	52.962979	-57	-8.232356	83.496	0.4725	197.9991				
5239	LP 656-9	PM				4	46.40731	-2	-49.13281	83.496	0.1132	221.5890	-12.03			
5240	UCAC4 399-060442	PM	M3.5V			15	55.705903	-10	-20.02234	83.496	0.0675	128.0802	7.57			
5241	HD 203413	PM	K3Vk:			21	24.252157	-58	-41.53829	83.517	0.0608	259.8759	25.94			
5242	LHS 1434	PM	M3			2	42.937522	-38	-56.20312	83.517	0.3330	104.0054				
5243	HD 112575	PM	K4.5V			12	57.732644	-14	-27.80532	83.538	0.2044	85.9845	-6.9			

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
5244	UCAC4 378-006262	PM	M4.0V			4	45.878797	-14	-26.42967	83.538	0.0831	13.1158				
5245	UCAC4 794-024296	PM	M2.5V			15	55.787106	68	40.230843	83.538	0.0815	18.4959	-17.85			
5246	2MASS J11271677-7816401	PM				11	27.27938	-78	-16.66973	83.560	0.1124	197.2056				
5247	2MASS J14411442-7338413	PM				14	41.240092	-73	-38.69009	83.560	0.1249	331.8519				
5248	CE 514	White dwarf	DC			18	45.105348	-36	-41.22315	83.560	0.3332	143.6574				
5249	LHS 1345	PM				2	8.2285513	49	49.027928	83.560	0.4026	143.4766	-63.77			
5250	LHS 2038	PM	M4			8	41.062479	67	39.641652	83.560	0.4428	243.7090				
5251	LHS 5275	PM	M1.5			14	39.979853	-56	-54.76326	83.560	0.2948	128.9070	34.4			
5252	UCAC4 187-198088	PM				19	17.038127	-52	-38.80962	83.560	0.1432	181.9537				
5253	G 210-11	PM	M2.0Ve			20	16.535875	35	10.712004	83.581	0.1938	194.8913	21.73			
5254	L 1258-40	PM	M0V			11	2.3006003	16	30.557459	83.581	0.0980	185.8211	11.46			
5255	G 142-54	PM				19	48.303443	17	47.508169	83.603	0.1460	329.5503	-36.81			
5256	LHS 5337	PM	M0.5V			18	23.804064	-5	-9.013894	83.603	0.2923	144.0848	-29.88			
5257	UPM 0111+0306	UCAC4 Nearby Star Candidate Aug 2014	M			1.1870814		3.1113467		83.614	0.0253	55.2882				
5258	UPM 2219-2339	UCAC4 Nearby Star Candidate Aug 2014	M			22.331246		-23.661659		83.614	0.0168	230.0425				
5259	2MASS J14402293+1339230	Brown dwarf	M7V			14	40.382033	13	39.373081	83.624	0.1966	205.4280	-5			
5260	L 1258-39	PM	M0V			11	2.3218182	16	30.494854	83.624	0.0956	185.7942	10.89			
5261	LP 582-37	PM	M3V:			23	19.061485	7	54.968714	83.646	0.1068	133.4903				
5262	LSPM J0627+2129	PM				6	27.469073	21	29.378511	83.646	0.1455	148.3347				
5263	UPM 0458+4526	UCAC4 Nearby Star Candidate Aug 2014	M			4.9717313		45.446849		83.648	0.0677	182.9042				
5264	UPM 1029-4636	UCAC4 Nearby Star Candidate Aug 2014	M			10.490075		-46.616034		83.648	0.0431	112.6496				
5265	UPM 2309-3951	UCAC4 Nearby Star Candidate Aug 2014	M			23.160092		-39.852665		83.681	0.0625	139.7918				
5266	2MASS J19563889+0052441	PM				19	56.64853	0	52.737087	83.689	0.3319	284.5510				
5267	LAWD 71	White dwarf	DC			18	42.478066	-61	-51.89439	83.689	0.2413	221.8114				
5268	HD 128674	PM	G7V			14	40.471035	-57	-1.773351	83.710	0.2942	128.7070	34.58			
5269	Cl Melott	UCAC4 Nearby Star Candidate Aug 2014	M			4.3023775		13.331282		83.715	0.0716	271.3506				Piscium
5270	2MASS J08151407+1030117	Brown dwarf	M7			8	15.234891	10	30.193964	83.732	0.0592	55.8852				
5271	HD 103836	PM	K3.5V			11	57.271513	-26	-8.483833	83.732	0.2210	67.5336	-10.61			
5272	HD 3158	PM	F6V			0	34.463862	-52	-22.3855	83.732	0.1338	279.4788	36.75			
5273	LHS 4052	PM				23	57.871857	78	36.766464	83.732	0.2885	106.1207				
5274	GJ 4364	PM	M1.0Ve			23	49.627459	8	21.504658	83.753	0.0843	119.7487	-14.6			
5275	HD 142474	SB	K5			15	48.165925	74	24.846736	83.753	0.1883	160.1194	-29.5			
5276	HD 58760	PM	K4+V			7	26.44277	-15	-46.21974	83.753	0.0621	155.9369	-4.22			
5277	LP 20-178	PM	M6			12	3.6021119	79	7.0073409	83.753	0.2458	78.7209				
5278	LP 299-53	PM	M1.0Ve			3	18.638725	32	39.947752	83.753	0.1347	115.0310	2.85			
5279	UCAC3 122-159034	PM				13	32.929848	-29	-16.33266	83.753	0.1367	262.4844				
5280	UCAC4 730-059182	PM				18	49.283135	55	56.883862	83.753	0.0754	111.2573				

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
5281	Wolf 204	PM	M3.0Ve			3	39.603128	25	28.348184	83.753	0.3642	157.5750				
5282	G 252-27	White dwarf	DC9			9	5.5488997	73	14.915818	83.775	0.3381	215.5502				
5283	HD 13825	PM	G5IV-V			2	15.406896	24	16.27733	83.775	0.2896	111.7468	-2.18			
5284	LP 832-33	PM	M3.5			3	37.461833	-23	-29.02997	83.775	0.1718	212.0928				
5285	NLTT 36313	PM	M3.0Ve			14	6.2481875	69	18.695602	83.775	0.1159	202.8538				
5286	TYC 2665-2094-1	PM				19	19.608138	37	20.130507	83.775	0.1230	194.6498				
5287	G 20-14	PM				17	47.16914	-1	-29.9101	83.796	0.1877	186.4514	13.89			
5288	LEHPM 1550	PM				1	26.718071	-54	-43.49365	83.796	0.1644	90.5853				
5289	LEHPM 5479	PM				23	5.7509193	-52	-8.034502	83.796	0.1806	190.4074				
5290	UCAC4 570-006255	PM	M5.0V			2	56.232766	23	59.168344	83.796	0.1073	155.5853	-3.46			
5291	UPM 0111-6440	UCAC4 Nearby Star Candidate Aug 2014	M			1.1897562		-64.671396		83.816	0.0464	234.1785				
5292	UPM 1343-5249	UCAC4 Nearby Star Candidate Aug 2014	M			13.724797		-52.830972		83.816	0.0598	152.1375				
5293	BD-03 3746	PM	K4V			15	13.994024	-3	-47.87992	83.818	0.4394	78.4507	-111.78			
5294	LP 213-68	PM	M9V			10	47.229623	40	26.821191	83.818	0.1764	263.4859	15			
5295	UCAC4 301-127424	PM				17	19.328473	-29	-49.25837	83.818	0.2971	184.2116				
5296	UPM J1654-3105	PM				16	54.738459	-31	-5.765295	83.818	0.1214	185.9069				
5297	HD 67458	PM	G0V			8	7.0087046	-29	-24.17628	83.839	0.2859	136.2786	-15.62			
5298	HD 278968	RotV	M0.0Ve			3	44.515791	34	58.388127	83.883	0.1479	128.3615	4.07			
5299	SDSS J133650.50+475132.2	low-mass	M8V			13	36.841155	47	51.536509	83.883	0.0666	94.7766	-4			
5300	UCAC4 445-077166	PM				18	4.4796107	-1	-11.43833	83.883	0.0373	223.5474	11.49			
5301	UPM 0304-6025	UCAC4 Nearby Star Candidate Aug 2014	M			3.0720683		-60.43126		83.883	0.0355	117.1111				
5302	UPM 0933-4210	UCAC4 Nearby Star Candidate Aug 2014	M			9.5505477		-42.180388		83.883	0.0321	169.4632				
5303	BD+60 1577	PM	K5V			14	58.26128	59	35.007238	83.904	0.0735	59.0150	-28.27			
5304	UPM 0605-5718	UCAC4 Nearby Star Candidate Aug 2014	M			6.0972282		-57.303206		83.916	0.0186	151.7479				
5305	G 235-43	PM				9	49.423434	65	8.3936795	83.926	0.1386	76.2622				
5306	HD 41330	PM	G0V			6	6.1422559	35	23.264327	83.926	0.1866	202.7821	-15.89			
5307	HD 31392	PM	G9V			4	54.070144	-35	-24.27106	83.947	0.1170	321.5407	29.56			
5308	LHS 5106	PM				5	29.657983	-9	-59.4176	83.947	0.2902	313.7828	91.07			
5309	LP 898-100	White dwarf	DA9			0	36.240175	-41	-57.43527	83.947	0.4363	114.2924				
5310	BD-05 2603	PM	K6V			8	40.004451	-6	-28.55082	83.969	0.1117	141.7192	-12.19			
5311	GJ 2022 B	PM	M4.3V			1	24.463167	-33	-55.12	83.969	0.1217	121.7151	19.4			
5312	LP 841-15	PM				7	38.833061	-27	-11.96457	83.969	0.1351	181.9927				
5313	LP 847-2	PM				9	52.074711	-24	-56.56348	83.969	0.2209	111.2873				
5314	Ross 778	PM	M0V			21	27.77393	7	17.937039	83.969	0.3981	199.1930	41.1			
5315	HD 39715	PM	K3V			5	54.476273	2	8.5340437	83.991	0.3783	173.0411	-33.74			
5316	EGGR 126	White dwarf	DA5.4			18	29.16437	-4	-29.59147	84.012	0.1728	177.5698	-35			
5317	HD 263175B	PM	M1.0V			6	46.124336	32	33.249878	84.012	0.2752	77.4084	-32.69			
5318	lambda Sgr	Kaus Borealis	K1IIIb		0.95	18	27.970697	-25	-25.30199	84.012	0.1510	184.0892	-43.2			Sagittarii

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
5319	LP 355-27	PM	M4.5			3	7.7810209	24	57.922631	84.012	0.1524	118.8606				
5320	NLTT 38273	PM				14	44.669093	22	45.232035	84.012	0.1262	65.0863				
5321	PG 0943+489	Star	dMe			9	46.331116	48	38.375234	84.012	0.0038	285.6412	-0.49			
5322	SSSPM J0124-4240	Brown dwarf	L0.5			1	23.984478	-42	-40.11949	84.012	0.1620	210.0894				
5323	UCAC4 572-010962	PM				4	19.720852	24	12.022164	84.012	0.0882	163.3445	5.97			
5324	2MASS J21374159-6723471	PM				21	37.693519	-67	-23.78012	84.034	0.2299	185.1240				
5325	LP 380-33	PM				13	58.42096	21	14.460042	84.034	0.1666	187.0279				
5326	UCAC3 322-27964	PM	M1.5Ve			4	30.201548	70	49.232679	84.034	0.0691	78.2168	4.72			
5327	Wolf 127	PM	M1V			2	15.365925	7	29.651192	84.034	0.3361	135.5896	-16.77			
5328	MACHO 311.38229.12	PM				18	19.894533	-23	-57.64722	84.056	0.0631	132.5305				Ophiuchi
5329	NLTT 23347	low-mass	M6V			10	5.2734409	17	3.4395397	84.056	0.1379	219.7138	14			
5330	UCAC4 414-080133	PM				18	35.925102	-7	-17.52594	84.056	0.1026	155.5954				
5331	Wolf 205	PM				3	39.674784	25	28.804678	84.056	0.3618	157.6707				
5332	2MASS J20500010-1154092	PM	M3.5			20	50.001991	-11	-54.15502	84.077	0.0731	91.9787				
5333	G 143-28	PM	M3			20	6.2687522	16	9.3576083	84.077	0.2855	155.1920				
5334	G 191-29	PM	M3.5			5	20.678906	58	47.332233	84.077	0.3022	162.8420				
5335	HD 25874B	PM				4	2.3933237	-61	-21.65801	84.077	0.2090	288.0770	36.32			
5336	L 178-101	PM				4	27.604176	-59	-21.26451	84.077	0.2251	304.8587	33.41			
5337	HD 187760	Star	K5Vk			19	52.498591	-23	-56.95089	84.099	0.0266	154.2117	-22.64			
5338	LSPM J2013+4501	PM				20	13.136649	45	1.3690195	84.099	0.1512	312.3241				
5339	UCAC4 564-045448	PM	M4.5V			9	9.1330408	22	47.687306	84.099	0.0638	230.2691				
5340	2MASS J10391835-4110331	Brown dwarf	M6			10	39.306266	-41	-10.5549	84.121	0.1050	180.1747				
5341	LP 944-70	PM	M2.5			3	53.497252	-38	-23.03143	84.121	0.2316	339.4057				
5342	CD-54 487	PM	M3.5V			2	17.569306	-53	-59.34167	84.143	0.3526	309.6338	-4.21			
5343	HD 50806	PM	G5V			6	53.56571	-28	-32.3876	84.143	0.3051	147.4485	72.47			
5344	Ross 243	PM	K5V			23	20.466834	30	37.469794	84.143	0.2302	276.6951	-49.1			
5345	UCAC4 669-055571	RotV	M3.0V			11	7.5342478	43	45.939046	84.143	0.0685	267.8546	-1.97			
5346	2MASS J20144598-2306214	PM	M4			20	14.766392	-23	-6.361513	84.164	0.0805	165.1215	-18.7			
5347	BD+03 515	SB	K4/5V			3	41.175343	3	36.682325	84.164	0.1409	190.5099	0.91			
5348	LHS 2588	PM				12	36.699822	54	54.44558	84.164	0.3005	254.2501				
5349	LP 365-24	PM	M1V			7	34.651849	22	20.257751	84.164	0.1158	119.1157	15.67			
5350	SCR J1901-0737	PM				19	1.5397622	-7	-37.40506	84.164	0.0970	232.6189				
5351	TYC 7060-934-1	PM				5	40.811182	-33	-23.26807	84.164	0.0696	323.5521	28.31			
5352	2MASS J07210894+6739590	PM	M3.0			7	21.1494	67	39.985457	84.186	0.0529	49.8782				
5353	G 36-39	PM	M4.5			2	52.5495	25	4.8416667	84.186	0.2365	138.3899				
5354	GJ 4114 B	PM				19	35.106175	8	27.737525	84.186	0.0377	211.6012	-21.15			
5355	UCAC3 124-138290	PM				10	34.411023	-28	-19.31504	84.186	0.1298	269.0475	20.65			
5356	CE 50	PM	M6V			8	53.939206	-24	-46.94062	84.208	0.3672	284.4115				
5357	HD 263175	PM	K3V			6	46.084177	32	33.340811	84.208	0.2717	77.6734	-32			
5358	UCAC4 549-053458	PM				14	38.85958	19	45.074879	84.208	0.0489	297.0341	9.03			
5359	G 157-34	White dwarf	DC			23	14.41975	-6	-32.79805	84.230	0.2225	243.6291				
5360	GJ 1067	PM	K7V			4	12.702862	70	12.093998	84.230	0.0604	71.4727	-10.31			
5361	G 128-50	PM	M4V			23	20.519111	30	35.242167	84.251	0.2308	276.2562	-44			

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
5362	LHS 3831	PM	M:			22	34.385576	-16	-59.7528	84.251	0.2912	270.6244				
5363	UCAC4 530-010194	PM	M2.5V			4	53.834147	15	49.254628	84.251	0.1023	163.6422	41.2			
5364	BD-21 784	PM	K7V			4	6.5806983	-20	-51.18715	84.273	0.4541	176.1287	25.15			
5365	del Mus	SB	K2III			13	2.2709468	-71	-32.93103	84.273	0.1540	95.4333	36.5			Muscae
5366	HD 223515	PM	K0V			23	50.248366	-29	-24.10378	84.273	0.1092	275.8117	11.03			
5367	HD 56168	PM	K0III			7	21.112192	67	39.710158	84.273	0.0578	44.8651	-9.27			
5368	LHS 1962	PM				7	58.299534	87	57.661117	84.273	0.3202	211.1507				
5369	G 159-10	PM				1	53.826463	3	13.368275	84.295	0.1998	275.5308				
5370	HD 72946	PM	G8-V			8	35.854443	6	37.366177	84.295	0.1130	224.6615	28.75			
5371	UCAC4 310-262771	PM	M3.0			21	17.072586	-28	-9.29525	84.295	0.0952	143.5688				
5372	UCAC4 504-063861	PM				17	0.7365431	10	44.40006	84.295	0.0392	199.4788	-13.08			
5373	Wolf 1019	PM	M1.5Ve			22	13.88888	5	16.591743	84.295	0.1102	102.4415	1.23			
5374	UCAC4 742-079361	PM	M3.0V			22	26.416484	58	23.086081	84.317	0.0856	238.5338	21.78			
5375	BD+39 1860	Star	A2			7	8.1559115	38	53.488463	84.339	0.0037	294.7334				
5376	G 235-25	PM	M4.0V			9	25.671356	63	29.322029	84.339	0.2444	229.5344				
5377	LHS 3600	PM				20	55.998052	-59	-56.73896	84.339	0.3510	121.3221	-57.9			
5378	LHS 3614	PM				21	3.0442434	-30	-21.03976	84.339	0.3354	178.5360	33.92			
5379	LSPM J0006+5942	PM				0	6.4076056	59	42.739978	84.339	0.1119	216.6321				
5380	NLTT 19346	PM				8	21.467606	52	20.979058	84.339	0.2077	220.5870				
5381	2MASS J00433851+7545152	PM				0	43.641486	75	45.254411	84.360	0.1003	108.3781				
5382	BD-12 6174	PM	M0V			22	5.855054	-11	-54.85336	84.360	0.1863	237.3457	14.77			
5383	LP 895-25	PM				6	39.72311	-29	-1.839691	84.360	0.1277	317.9546				
5384	TYC 2137-1575-1	Star	M0.0Ve			19	28.425344	28	54.170221	84.360	0.0243	193.1983	-15.05			
5385	TYC 4032-2358-1	Star				1	47.099471	60	2.0236702	84.360	0.0174	136.1551				
5386	LEHPM 5556	PM				23	10.361279	-59	-42.78029	84.382	0.1663	159.0332				
5387	TYC 754-1161-1	inCl	A2V			6	43.241801	11	23.152444	84.382	0.0034	279.1317				
5388	Wolf 1523	PM	M2.0Ve			1	32.738721	20	59.262361	84.382	0.2570	108.1916	58.72			
5389	HD 211369	PM	K2.5Vk:			22	17.657108	-48	-39.02965	84.404	0.1339	117.2033	0.13			
5390	TYC 6251-414-1	PM				18	7.8369801	-16	-41.35573	84.404	0.0453	53.0853				
5391	2MASSW J2331016-040618	Brown dwarf	M8.0V+L3.0V			23	31.027124	-4	-6.325236	84.426	0.1505	137.1273				
5392	G 148-61	PM	M1.5Ve			12	27.490314	37	26.557109	84.426	0.1450	64.8812	-16.63			
5393	2MASS J05235031-7658375	PM				5	23.839645	-76	-58.62136	84.448	0.1184	342.6113				
5394	tau 3 Eri 11	PM	A3IV-V			3	2.3916599	-23	-37.46839	84.448	0.0919	249.6047	-9.8			Eridani
5395	BD+26 8	PM	K3V			0	12.067062	27	5.9372437	84.470	0.1714	106.1606	12.51			
5396	HD 11262	PM	F9VFe-0.5			1	49.814148	-38	-24.17019	84.470	0.1673	358.6257	20.38			
5397	HD 23140		K0V			3	44.813599	46	2.1490415	84.470	0.2143	108.7835	25.44			
5398	2MASS J05551490-5402520	PM				5	55.248451	-54	-2.867579	84.492	0.3708	172.3510				
5399	HD 144009	PM	G8IV-VFe+0.5			16	9.2243238	-71	-4.17643	84.492	0.2567	206.9326	27.22			
5400	Ross 415	PM				6	14.951195	-5	-2.88117	84.492	0.1507	122.7087				
5401	UCAC3 86-396928	PM	M4.0			18	56.639484	-47	-4.966293	84.492	0.1334	136.0847				
5402	UCAC4 124-134602	PM				15	13.705655	-65	-21.55673	84.492	0.1618	154.5220				
5403	UCAC4 708-051220	PM				10	59.783955	51	24.182286	84.514	0.0592	170.2722				
5404	G 251-37	PM	M3.0V			7	35.968354	78	32.879183	84.557	0.1414	217.8130				

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
5405	HD 44594B	PM				6	20.109258	-48	-44.37282	84.557	0.2048	138.7589				
5406	UCAC4 511-043685	PM	M2.3V			7	57.452571	12	1.4518558	84.557	0.0813	183.0214	29.4			
5407	2MASS J00210589-4244433	Brown dwarf	L0.6:V			0	21.098616	-42	-44.72494	84.579	0.1505	90.4174				
5408	2MASS J13001577-6024192	PM				13	0.2630696	-60	-24.32108	84.601	0.2848	67.1035				
5409	2MASS J16244802-2440051	YSO	M6.0			16	24.800456	-24	-40.08965	84.601	0.1014	209.3326				
5410	HD 136834	PM	K3IV-V			15	22.70911	1	25.117552	84.601	0.2996	225.0119	-26.31			
5411	HD 221356	PM	F7V			23	31.525047	-4	-5.244266	84.601	0.1521	137.0793	-12.64			
5412	HD 25874	PM	G2V			4	2.4497547	-61	-21.41884	84.601	0.2055	287.8043	35.97			
5413	alpha Phe (Ankaa) (GJ 9013) (HD 2261)		K0 III			0	26.28419	-42	-18.35923	84.623	0.2477	146.8120	74.6		0.016	Phoenicis
5414	LP 547-159	PM	M0V			13	43.779515	-35	-24.2633	84.623	0.2265	351.3101	36.1			
5415	2MASS J05113191-5631544	PM				5	11.531094	-56	-31.90731	84.645	0.1882	92.0936				
5416	CD-27 7563	PM	M2.5V			10	36.473705	-28	-27.25523	84.645	0.1301	268.7908	22.01			
5417	delta Crv (Algorab)	PM	A0IV(n)kB9			12	29.864319	-16	-30.92681	84.645	0.1473	237.5139	13.9			Corvi
5418	108 G. Pup (HD 60532)	b,c	F6IV-V			7	34.053004	-22	-17.76397	84.667	0.0356	40.6003	61.25	2g		Puppis
5419	HD 194012	PM	F7V			20	22.872822	14	33.065783	84.667	0.0455	94.9097	4.81			
5420	LHS 2399	PM				11	22.500347	-14	-31.03512	84.667	0.2990	238.1013				
5421	2MASS J03243298-5220393	PM				3	24.549806	-52	-20.65741	84.689	0.4676	214.0826				
5422	UCAC4 275-043504	PM				8	52.90213	-35	-7.544014	84.689	0.2098	84.1025				
5423	WT 527	PM				16	49.502574	-59	-51.98189	84.689	0.1420	173.2772				
5424	2MASS J07453221-4814564	PM				7	45.536993	-48	-14.94214	84.711	0.1130	177.2044				
5425	BD-21 5811	PM	K7V			20	44.010939	-21	-21.3475	84.711	0.1642	168.2440	-73.62			
5426	HD 239999	PM	K5V			22	34.838442	58	48.145639	84.711	0.1070	130.1468	-8.71			
5427	UCAC4 442-061607	PM				16	0.2241615	-1	-37.19938	84.711	0.1135	145.4237	49.67			
5428	GJ 3367	RotV	M0			5	47.299458	0	0.8131035	84.733	0.0599	226.6619	-12.93			
5429	V* V2160 Cyg	BY Draconis variable	M1.5Ve			21	27.549278	34	1.4773409	84.733	0.1944	236.9162	-67.36			
5430	WT 1402	PM	M3.5			3	42.783711	-24	-27.73633	84.733	0.2179	175.5181				
5431	2MUCD 12194	PM	M8			23	34.65694	19	33.067194	84.755	0.1532	243.6295				
5432	2MASS J07420784-6243554	PM	M4			7	42.130857	-62	-43.92304	84.778	0.0411	359.0898				
5433	2MASS J23292501+4626370	PM				23	29.416718	46	26.616017	84.778	0.1811	294.6481				
5434	G 75-27	PM				2	34.87522	-7	-17.08206	84.778	0.1481	278.5775	-7.27			
5435	HD 9770		K1V			1	35.016798	-29	-54.62237	84.778	0.1202	305.3207	33.56			
5436	LSPM J1002+2556	PM				10	2.6185312	25	56.721517	84.778	0.2543	266.3920				
5437	UCAC4 618-039727	PM				7	0.6403519	33	34.969012	84.778	0.1041	176.6222	10.54			
5438	G 205-1	PM				18	5.9509433	44	10.742444	84.800	0.1408	13.3496				
5439	LHS 3616	PM				21	3.285367	-30	-22.44538	84.800	0.3361	178.5763				
5440	2MASS J17073334+4301304	Brown dwarf	M8.7V			17	7.5556304	43	1.5042977	84.822	0.1246	261.5624	-10.8			
5441	BD-12 6393	PM	K7V			22	59.894054	-11	-22.90173	84.822	0.1344	107.5006	-36.61			
5442	HD 107692	PM	G1.5V			12	22.74679	-39	-10.66089	84.822	0.1330	130.3453	-7.02			
5443	CD-24 1826	PM	K4.5V			3	42.744605	-24	-27.97951	84.844	0.2181	176.2681	16.02			
5444	G 120-32	PM				11	18.428759	27	4.8093228	84.844	0.4237	247.4541				
5445	HD 30163	PM	G5			4	51.420574	71	33.70726	84.844	0.0692	73.4212	4.32			
5446	LSPM J0600+2936	PM				6	0.1092858	29	36.913397	84.844	0.2315	202.9953				

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
5447	TYC 4803-1067-1	Star				6	42.082523	-2	-49.43667	84.844	0.0110	164.0546				
5448	UCAC4 619-055248	PM	M3.5V			17	30.445203	33	44.875086	84.844	0.0903	29.4702	-32.78			
5449	G 137-39	PM				15	42.240505	14	29.57121	84.866	0.2186	195.1258				
5450	HD 355784	PM	M0			19	43.422263	10	5.3707286	84.866	0.1235	298.7423	-12.3			
5451	2MASS J01365275+5215026	PM				1	36.879631	52	15.041244	84.888	0.1479	136.8185				
5452	G 145-18	PM				21	8.9337096	14	42.139379	84.888	0.2203	315.6178	-18.07			
5453	HD 8262	PM	G2V			1	22.29796	18	40.962458	84.888	0.3246	90.2430	5.66			
5454	LHS 3877	PM	M3.5			22	56.210319	68	15.482243	84.888	0.4417	296.1679				
5455	BD+58 2015A	PM	K7Ve			19	56.565787	59	9.6925662	84.910	0.2512	259.2880	9.5			
5456	LP 159-15	PM	M3.0V			5	42.417369	50	38.689405	84.910	0.1291	94.7956	-17.61			
5457	Ross 341	PM				3	6.3158336	51	3.3725727	84.910	0.5037	125.7033				
5458	TYC 150-392-1	Pec	A3mF2			6	33.236202	2	49.258419	84.910	0.0023	125.7140				
5459	UCAC4 593-058739	PM				17	19.85134	28	33.86184	84.910	0.0477	298.3809				
5460	2MASS J16504545-2813540	PM				16	50.75682	-28	-13.91284	84.932	0.3140	221.6656				
5461	G 61-25	PM				12	59.834707	16	10.543909	84.932	0.2602	231.6635				
5462	LP 888-24	PM				3	33.894294	-30	-32.93416	84.932	0.1773	344.7779				
5463	LP 470-20	PM				2	25.768806	15	11.392519	84.954	0.1247	289.0349				
5464	72 Oph B	PM				18	7.3248034	9	34.026613	84.977	0.0546	41.7921				Ophiuchi
5465	LP 913-13	PM				14	21.816197	-31	-54.58147	84.977	0.1995	210.6809	-32.15			
5466	UPM J1737+1726	PM				17	37.892374	17	26.35312	84.977	0.0207	166.2858				
5467	G 241-8	PM	K5V			22	26.544631	63	52.750497	85.021	0.1662	316.6377	1.03			
5468	LP 469-118 B	PM	M4Ve			2	8.2033174	15	8.7070965	85.021	0.1518	272.5162				
5469	2MASS J21362714+2500088	PM				21	36.452509	25	0.1469695	85.043	0.1654	291.6291				
5470	BD-12 4699	PM	M0V			17	16.337249	-12	-10.68927	85.043	0.0844	98.9996	5.42			
5471	LP 873-20	PM				21	14.825159	-22	-18.73021	85.043	0.1502	157.4647				
5472	HD 142B	PM	K5			0	6.3191328	-49	-4.581962	85.065	0.3300	91.7051				
5473	L 106-104	PM	M0.5			22	46.752202	-63	-18.08814	85.065	0.1328	119.9339	-4.17			
5474	LHS 6390	PM	M4.0			21	58.852756	-3	-46.60395	85.065	0.2523	93.1131	-1.31			
5475	2MASS J07452936-4815296	PM				7	45.489201	-48	-15.4925	85.087	0.1161	174.7632				
5476	CD-28 657	PM	M1+V			2	5.3942065	-28	-4.184007	85.087	0.3131	321.5804	3.55			
5477	LP 374-30	PM				11	21.141823	21	26.457804	85.087	0.1395	269.2835				
5478	LP 593-13	PM				3	34.193088	-2	-32.52883	85.087	0.1087	202.4920				
5479	NLTT 13933	PM	M4.0V			4	49.928294	71	9.7842952	85.087	0.1068	101.3864				
5480	HD 20367	PM	F8V			3	17.667444	31	7.6226406	85.110	0.0681	240.3671	6.46			
5481	HIP 57274 (BD+31 2290)	3 planets b, c , d	K4V		0	11	44.68274	30	57.557483	85.110	0.2225	184.0640	29.7	3	0.4	Ursae Majoris
5482	GJ 4362	Flare	M2.5			23	48.600928	-27	-39.64881	85.132	0.3533	246.5165	25.3			
5483	HD 13531	BY Draconis variable	G7V			2	13.222248	40	30.455297	85.132	0.0629	146.7916	6.91			
5484	HD 78727	PM	K4			9	9.9020662	5	12.209326	85.132	0.0397	249.8787	-8.98			
5485	LP 469-118 A	PM	M4Ve			2	8.2067816	15	8.7395408	85.132	0.1587	270.8932				
5486	LTT 6063	PM				15	17.36119	-80	-28.37643	85.132	0.2680	258.2475				
5487	2MASS J15353572+2912577	PM				15	35.595456	29	12.960734	85.154	0.1535	48.7444				
5488	BD+03 1552	PM	K5			7	7.1552411	3	26.847233	85.154	0.1541	177.8995	-18.75			
5489	2MASS J10564633+3246278	PM				10	56.771838	32	46.462007	85.176	0.0999	244.9441				

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
5490	UCAC2 288439	PM				17	25.230292	-80	-34.98326	85.176	0.0673	140.1446	47.88			
5491	UCAC4 339-001776	PM	M3			1	35.359213	-22	-14.58545	85.176	0.1009	187.6909				
5492	G 166-33	PM	M4			14	29.992401	29	34.041157	85.199	0.3041	205.8965				
5493	G 82-48	PM	M0V			4	47.195944	2	9.6621227	85.199	0.1129	268.1531	7.6			
5494	GJ 9428	PM	M0V			13	8.4128065	16	58.320181	85.199	0.0726	249.6602	-20.28			
5495	HD 171067	PM	G6V			18	32.174408	13	44.193851	85.221	0.0968	317.4920	-46.2			
5496	HD 233453	PM	K3.5V			7	48.659388	53	38.914002	85.221	0.3176	193.7529	-7.56			
5497	HD 86856	RotV	K0			10	2.472485	44	34.710564	85.221	0.1731	252.1378	30.16			
5498	2MASS J02475046-3426334	PM				2	47.841233	-34	-26.5598	85.243	0.0595	144.6936	23.4			
5499	2MASS J04123491+3529592	PM	M5V			4	12.582078	35	29.989029	85.243	0.1085	58.9702	-26			
5500	Epsilon2 Ara	B C	F5 Vfe+O4		5.727	17	3.1458524	-53	-14.21631	85.243	0.3893	247.6140	7			Arae
5501	eta1 Pic	PM	F5V			5	2.8114392	-49	-9.084245	85.243	0.0301	58.5836	22			Pictoris
5502	G 262-3	PM	M3.0V			20	3.3876897	67	16.814259	85.243	0.1692	310.8902				
5503	LP 880-140	PM	M6.5			23	59.064697	-29	-32.37386	85.243	0.1855	44.2796				
5504	WD 1105-340	White dwarf	DA3.6			11	7.7982774	-34	-20.85814	85.243	0.1550	171.3456				
5505	HD 128356	PM	K2.5IV			14	37.081469	-25	-48.15431	85.266	0.0819	187.5063	39.8			
5506	HD 356314	Star	M0			19	57.424644	13	13.414393	85.266	0.0253	191.3061				
5507	HD 90663	PM	K2.5V			10	28.174075	6	44.107677	85.266	0.1912	355.4208	24.87			
5508	UCAC4 199-019888	PM				8	29.928547	-50	-22.94828	85.266	0.0845	127.8431				
5509	2MASS J01304280-0211294	PM				1	30.714139	-2	-11.49122	85.288	0.2929	274.4073				
5510	APMPM J2347-3154	Brown dwarf	M8.7V			23	46.91253	-31	-53.89672	85.288	0.3493	134.8612				
5511	HD 22879	PM	F7/8V			3	40.367757	-3	-13.01875	85.288	0.4205	107.1707	120.4			
5512	G 24-27	PM	M1V			20	43.688831	0	10.692874	85.310	0.2563	305.0325	-63.38			
5513	G 267-127	PM				0	33.718221	-37	-59.08572	85.310	0.2705	336.0971	-6.84			
5514	LSPM J0906+0608	PM				9	6.0731721	6	8.37978	85.310	0.2529	266.4291				
5515	TYC 3483-856-1	PM	M1			15	32.622705	46	53.079922	85.310	0.0722	265.3744	-18.54			
5516	b02 Car	PM	F4V			8	59.403027	-59	-5.022615	85.333	0.1930	31.9034	13.27			Carinae
5517	V* V450 And	BY Draconis variable	G5V			2	12.916504	40	40.103705	85.333	0.0721	147.1456	6.24			
5518	2MASSI J0829066+145622	Brown dwarf	L2V			8	29.110544	14	56.36741	85.355	0.1440	193.0648	-60			
5519	LHS 6406	PM				22	35.406227	-7	-12.75662	85.355	0.2834	218.7589	3.6			
5520	UCAC3 84-415424	PM				22	16.677834	-48	-0.60693	85.355	0.0869	2.6247	32.83			
5521	UCAC4 552-033338	PM				6	51.612104	20	23.433995	85.355	0.1041	220.0156	14.51			
5522	23 Lib (GJ 579.4) (HD 134987)	b,c	G5V			15	13.477784	-25	-18.56078	85.377	0.2367	259.3990	5.174	2g	0.3	Librae
5523	HD 42250	PM	G9V			6	16.04467	70	46.894554	85.377	0.2581	181.6314	19.78			
5524	LHS 2207	PM				9	54.144075	9	59.632481	85.377	0.4787	183.2210				
5525	SCR J1805-2042	PM				18	5.2522808	-20	-42.46712	85.377	0.1574	231.1466				
5526	2MASS J17054744-5441513	Brown dwarf	M8.5			17	5.7904486	-54	-41.85566	85.400	0.0516	74.1113				
5527	BD-21 262	PM	K5V			1	35.760995	-20	-46.23072	85.400	0.0767	101.1520	18.86			
5528	HD 109952	PM	K5.5Vk:			12	39.851616	-77	-50.59506	85.400	0.5431	67.6559	17.2			
5529	NLTT 31289	PM				12	35.340148	84	19.825518	85.400	0.1436	234.2242				
5530	2MASS J21435174-8337135	PM				21	43.86059	-83	-37.22614	85.422	0.2189	121.7330				
5531	G 115-25	PM				8	46.090695	38	13.859757	85.422	0.1812	241.9246				
5532	18 Boö	PM	F5IV			14	19.271328	13	0.2580979	85.445	0.0639	106.6029	-0.4			Boötis

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
5533	2MASS J00474453+4159428	PM				0	47.742485	41	59.712035	85.445	0.0815	118.6075				
5534	2MASS J07415784+0531568	Brown dwarf	L1			7	41.964053	5	31.947165	85.445	0.1255	182.2992				
5535	HD 224619	PM	G8+V			23	59.473866	-20	-2.082789	85.445	0.3383	119.1915	21			
5536	NLTT 1930		M5.0+M6.0			0	35.718607	2	33.226183	85.445	0.1396	134.5045				
5537	2MASS J06345843-5706504	PM				6	34.974001	-57	-6.83857	85.467	0.2545	109.9208				
5538	BD+35 1890	PM	K3			8	53.787583	35	13.330228	85.467	0.2033	214.3125	45.4			
5539	CD-42 594	PM	M0			1	42.929715	-42	-12.20685	85.467	0.3859	102.0342	30.45			
5540	HD 65721	PM	G9V			7	58.614778	-34	-56.68489	85.467	0.2261	59.3012	26.5			
5541	UCAC4 395-066967	PM				16	57.006512	-11	-4.33164	85.467	0.0685	296.3797				
5542	UCAC4 602-028783	PM				6	3.822259	30	19.347496	85.467	0.1093	177.9370	14.48			
5543	2MASS J20214085+1827538	PM				20	21.680903	18	27.898928	85.489	0.2273	148.7113				
5544	G 177-8	PM				12	58.286226	52	36.726849	85.489	0.1352	248.4367				
5545	HD 96064	BY Draconis variable	G8V			11	4.6912057	-4	-13.26528	85.489	0.1210	239.8903	18.83			
5546	UCAC4 268-003656	PM				3	27.779856	-36	-34.67259	85.489	0.0978	249.2505				
5547	UCAC4 297-062073	PM				10	10.779856	-30	-46.8192	85.489	0.2164	76.0667				
5548	UCAC3 96-3022	PM				1	22.176528	-42	-20.8291	85.512	0.0709	168.4349	-5.19			
5549	2MASS J11543399+0135545	Brown dwarf	M9:			11	54.566795	1	35.907319	85.534	0.0519	109.1749				
5550	G 133-61	PM	M3.5			2	0.1237807	36	39.799686	85.534	0.1551	168.2207	6.84			
5551	gam Crt		A7V(n)			11	24.882116	-17	-41.04035	85.534	0.0581	88.7212	1			Crateris
5552	V* DO CVn	BY Draconis variable	K0			12	35.854797	51	13.288536	85.534	0.0661	99.7177	-8.77			
5553	EGGR 370	White dwarf	DA3.2			17	13.101514	69	31.425129	85.557	0.2022	189.1899				
5554	L 462-56 B	White dwarf	DA6			9	36.999054	-37	-21.44852	85.557	0.2239	61.8780				
5555	L 951-6 C	PM	M4			4	32.925173	0	6.5777026	85.557	0.1176	243.0274				
5556	LHS 5238	PM				13	6.9754486	27	50.981824	85.557	0.2767	226.6042				
5557	LSR J0002+6357	White dwarf	DC			0	2.3774395	63	57.735697	85.557	0.5382	276.7202				
5558	UCAC3 230-104221	PM				11	3.0710681	24	58.107402	85.557	0.0305	303.3263				
5559	UCAC4 535-053758	PM				12	34.017795	16	49.622305	85.557	0.0675	80.3686	-20.19			
5560	BD+04 4988	Star	M0V			23	16.863778	5	41.760165	85.602	0.0206	139.6356	-9.11			
5561	G 111-52	PM				8	5.0593639	41	21.412342	85.602	0.2319	239.8286				
5562	G 52-23	PM	M2			8	39.800573	8	56.29943	85.602	0.1655	48.3130				
5563	GJ 3429	PM	M0.5Ve			7	8.6585642	30	42.833105	85.602	0.1147	301.5543	-0.69			
5564	L 462-56 A	White dwarf	DQ6			9	36.996475	-37	-21.51335	85.602	0.2145	62.9177				
5565	LHS 6154	PM				8	46.497191	26	45.944579	85.602	0.2339	159.5662				
5566	UCAC4 754-048481	PM				14	34.373882	60	43.947158	85.602	0.0485	202.4041				
5567	UCAC4 844-009458	PM				9	33.339693	78	47.043444	85.602	0.1156	337.7904				
5568	WT 541	PM				17	7.7956465	-59	-31.32384	85.602	0.1015	190.1180				
5569	G 135-53	PM				14	26.959522	13	17.463523	85.624	0.1933	242.9081				
5570	HD 222422	PM	G5V			23	40.6309	-18	-59.33368	85.624	0.1792	97.7827	10.43			
5571	HD 38382	Star	F8.5V			5	44.473258	-20	-7.594314	85.624	0.0238	25.3161	37.9			
5572	HD 72945	SB	F8V			8	35.849623	6	37.213016	85.624	0.1086	224.1784	26.61			
5573	LP 719-38	PM	M4.5			6	14.206571	-14	-36.14749	85.624	0.2083	144.5707				
5574	2MASS J07174262-1004500	PM				7	17.710862	-10	-4.84026	85.647	0.2896	140.9132				
5575	HD 132648	PM	G8.5V			15	1.8877752	-47	-0.448412	85.647	0.0454	199.0998	-7.43			

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
5576	epsilon Cep	PulsVdelSct	F0V(Sr)			22	15.036858	57	2.6139332	85.669	0.2438	277.3182	-4.7			Cephei
5577	G 17-1	PM	M3.73			16	7.4701559	5	57.992182	85.669	0.2134	232.4893	-107.9			
5578	HD 85228		K2VCN+0.5			9	48.779159	-52	-36.94264	85.669	0.1917	44.4385	-0.2			
5579	LP 626-2	PM	M5.5e			16	45.470029	-1	-12.48293	85.669	0.1266	178.4451				
5580	LP 719-37	PM	M4.5			6	14.208035	-14	-36.04516	85.669	0.2131	144.5464				
5581	SCR 0852-6608	PM White dwarf star Subasavage 2004	M			8	52.833167	-66	-8.781667	85.685	0.5080	333.7000				
5582	HD 205905	PM	G1.5IV-V			21	39.169184	-27	-18.39443	85.692	0.2287	102.3305	-17.16			
5583	L 951-6 A	PM	M0.5V			4	32.937431	0	6.2667317	85.692	0.1075	243.6763	-2.46			
5584	LHS 1266	PM				1	35.997509	41	38.19378	85.692	0.3368	95.1209	37.94			
5585	LP 506-37	PM	M4			16	57.382417	13	28.153518	85.692	0.1317	135.2693				
5586	L 951-6 B	PM	M3			4	32.925998	0	6.4942316	85.714	0.1108	243.0612				
5587	zeta UMa (Mizar)	Mizat, Mirza, Mitsar, Vasistha; quintuple star, visual double star with Alcor	A1.5Vas			13	23.925717	54	55.521667	85.714	0.0717	100.2882	-5.6		0.016	Ursae Majoris
5588	LEHPM 2-1182	White dwarf	DA10.0			4	32.931237	-35	-57.48396	85.737	0.1739	277.8602				
5589	L 308-38	PM				6	12.612251	-47	-29.54822	85.759	0.2153	325.8888	3.83			
5590	UCAC4 081-008741	PM	M2.5			6	52.630127	-73	-58.26042	85.782	0.2402	355.7025				
5591	2MASS J13540876+0846083	PM	M7.5			13	54.146161	8	46.137511	85.805	0.1322	75.4769				
5592	2MASS J20580662-3846282	PM				20	58.110214	-38	-46.46712	85.827	0.2286	156.8972				
5593	GJ 3305	T tau Type star	M1.1V		9.752544564	4	37.624178	-2	-29.48115	85.827	0.0462	131.3383	21.7			Eridani
5594	GJ 3511	Flare	M3.5			8	39.808089	8	56.303376	85.827	0.1644	49.4976				
5595	HD 109333	PM	K4.5V			12	33.995731	-14	-38.31978	85.827	0.2939	266.9255	5.81			
5596	LHS 1978	PM	M2.5			8	4.4300198	-83	-13.98095	85.827	0.3374	337.4318				
5597	LP 831-35	PM	M3.5			3	10.050797	-23	-41.51284	85.827	0.1000	144.9093				
5598	2MASS J20530389-5409374	PM				20	53.064405	-54	-9.619427	85.850	0.3973	164.7787				
5599	G 159-49	PM				2	14.150045	-1	-45.9738	85.850	0.1869	90.3482				
5600	LP 619-50	Flare	M6.5V			14	12.202035	0	35.272315	85.850	0.4388	71.9835				
5601	LP 812-110	PM	M3.5			19	21.094365	-20	-17.04159	85.850	0.1751	270.9517				
5602	V* V1688 Aql	BY Draconis variable	K2IV-V			19	15.584221	11	33.283008	85.850	0.1467	133.3084	-57.92			
5603	G 202-64	PM				16	35.871508	48	24.056744	85.872	0.2032	211.0295				
5604	HD 108984	PM	K0V			12	31.304942	20	13.068765	85.872	0.0994	187.3122	-8.96			
5605	2MASS J19303829-1335083	PM	M6.0V			19	30.638567	-13	-35.13002	85.895	0.2264	333.0661	-21.4			
5606	HD 117099	PM	K4V			13	27.45284	35	43.57045	85.895	0.2511	221.2117	-13.84			
5607	UCAC3 114-165908	PM				14	32.300012	-33	-20.98043	85.895	0.0940	117.7387				
5608	2MASS J10033606-2717454	PM				10	3.6006809	-27	-17.75652	85.918	0.1448	73.2309				
5609	2MASS J20411094+1800050	PM				20	41.182921	18	0.0856007	85.918	0.0899	294.6169				
5610	G 61-13	PM				12	46.23915	15	6.276255	85.918	0.2054	79.6774				
5611	HD 225261	PM	G9V			0	4.9386925	23	16.177722	85.918	0.2226	91.0892	7.53			
5612	HD 114174		G3IV+D			13	8.8503858	5	12.434416	85.940	0.3988	172.8474	24.2			
5613	HD 204521	PM	G0V_Fe-0.8			21	25.279951	70	28.652354	85.940	0.0330	314.2589	-76.43			
5614	LHS 1883	PM	M4.5V			6	56.516072	44	1.932821	85.963	0.4120	164.5481	4.34			
5615	UCAC2 11003223	PM				3	8.8114547	-48	-17.97339	85.963	0.0311	37.7905	10.16			

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
5616	2MASS J04192539+3815032	PM				4	19.422952	38	15.057065	85.986	0.1394	132.5271				
5617	NLTT 2698	PM				0	49.145271	62	5.2132816	85.986	0.2691	128.5838				
5618	2MASS J04285096-2253227	Brown dwarf	M9.9V			4	28.849503	-22	-53.37555	86.008	0.1119	321.2645				
5619	2MASS J09563111-6724583	PM				9	56.51845	-67	-24.97275	86.008	0.2168	51.7010				
5620	BD+01 3657	RotV	K6Vke			18	22.287008	1	42.424147	86.008	0.0502	103.1255	-16.8			
5621	BD+16 2260	PM	K6V			11	26.832736	15	17.640562	86.008	0.0838	102.4210	-4.72			
5622	SCR 2128-5532	PM Red & White dwarf stars Subasavage 2004	M			21	28.687167	-55	-32.535	86.011	0.6990	123.3000				
5623	HD 30973	PM	K3V			4	53.078848	22	14.110019	86.031	0.1152	131.8746	26.15			
5624	TYC 6283-800-1	PM				19	8.178552	-16	-40.69478	86.031	0.0624	236.4818	-35.26			
5625	2MASS J07032405-3216013	PM				7	3.4011612	-32	-16.03233	86.054	0.3791	162.8821				
5626	HD 175073	PM	K1V			18	55.313501	-37	-29.90109	86.054	0.2205	159.8068	-22.3			
5627	LAWD 88	White dwarf	DA2.8			21	33.721854	83	3.5405296	86.054	0.3688	333.5159				
5628	2MASS J03242687-7727053	PM	M6e			3	24.447577	-77	-27.09226	86.077	0.1959	304.5955				
5629	2MASS J20111744-2917584	PM	M5.5			20	11.290905	-29	-17.97598	86.077	0.0762	127.2493				
5630	GSC 04018-02763	Star	M2:			0	10.426795	62	12.623767	86.077	0.0248	42.1976	-7.86			
5631	LHS 2044	PM				8	43.4339	45	1.9995619	86.077	0.2855	113.4717				
5632	LSPM J0227+0716	PM				2	27.221362	7	16.669145	86.077	0.0862	266.7962				
5633	LSPM J0958+0656	PM				9	58.416681	6	56.938415	86.077	0.1033	91.9200				
5634	HD 114260	SB	G8V			13	9.7092176	-22	-11.55307	86.099	0.2212	155.3756	-3			
5635	V* FN Cet	BY Draconis variable	K0V			2	4.9887762	-15	-40.68624	86.099	0.0289	155.1737	11.15			
5636	2MASS J13331453-6751171	PM				13	33.243291	-67	-51.28656	86.122	0.4599	246.3021				
5637	G 94-68	PM				2	27.718169	21	15.68661	86.122	0.1560	191.1734				
5638	HD 175225	PM	G9IVa			18	51.582034	52	58.5042	86.122	0.1443	4.0284	1			
5639	LTT 3936	PM				10	44.157439	-26	-37.72721	86.122	0.1745	260.3091	42.38			
5640	UCAC2 40523554	PM	M2.5Ve			14	3.9134441	24	40.696267	86.122	0.0939	20.9968	14.46			
5641	L 226-56	PM	M4			2	55.241424	-51	-40.3495	86.145	0.3871	289.1548				
5642	GJ 3628 B	Flare	M4.1			10	50.637401	51	45.025588	86.168	0.1114	89.0500	32.04			
5643	TYC 2544-217-1	Star				13	52.124395	30	24.776816	86.168	0.0074	170.1461	-5.55			
5644	V* V966 Cas	BY Draconis variable	G5V			1	2.9537116	69	13.623794	86.168	0.1559	123.2187	-20.09			
5645	BD+06 4156	PM	K5			19	29.085807	7	9.5978	86.190	0.2004	314.3281	14.98			
5646	CD-42 10084	PM	K5			15	10.595114	-42	-58.61892	86.190	0.2534	228.3444				
5647	LHS 1733	PM				5	5.6771185	56	28.665388	86.190	0.3349	171.1781				
5648	2MASSI J2344062-073328	Brown dwarf	L6.0V			23	44.10417	-7	-33.47253	86.213	0.0455	177.4531				
5649	HD 3821B	PM	K5V			0	40.785362	-7	-13.84443	86.213	0.0533	179.6247	11.74			
5650	UCAC3 114-165858	PM				14	32.079887	-33	-26.42986	86.213	0.1055	117.1728				
5651	HD 82769	Star	F6/8V			9	33.822162	-12	-54.188	86.236	0.0115	177.4034	26.8			
5652	LHS 2523	PM				12	11.952713	-7	-20.23028	86.236	0.3167	240.1665				
5653	LHS 3274	PM				17	13.693046	1	39.455667	86.236	0.4273	80.6013				
5654	V* HO Boö	BY Draconis variable	K2V			14	46.051202	27	30.740871	86.236	0.0259	157.4860	-20.59			
5655	2MASS J18493708-2327307	PM				18	49.617605	-23	-27.51926	86.259	0.2131	233.4263				
5656	SCR J0924-4005B	PM				9	24.298751	-40	-5.203689	86.259	0.1414	145.0422				
5657	UCAC2 22376329	Star				4	17.716818	-23	-15.70166	86.259	0.0201	192.3847	18.8			

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
5658	UCAC3 255-50107	PM				5	13.307277	37	20.770726	86.259	0.1166	225.6945				
5659	HD 117635	SB	G8V			13	31.665591	-2	-19.0479	86.282	0.5116	70.4827	-51.32			
5660	2MASS J15104237-4259252	PM red / white dwarf stars Subasavage 2005				15	10.705988	-42	-59.42337	86.305	0.2517	228.0402				
5661	LHS 2828	PM				13	57.021009	8	30.101899	86.305	0.4621	70.4617				
5662	Wolf 82	White dwarf	DA5.4			1	46.688544	21	54.806365	86.305	0.1255	233.8935	-36.1			
5663	HD 30523	PM	K5Vk			4	48.019026	-10	-56.01876	86.328	0.0794	142.9100	27.03			
5664	LP 141-7	PM				18	51.373052	53	1.3738627	86.328	0.1613	9.2551				
5665	PMMR 221	PM	M3V			3	2.5137202	-69	-52.0445	86.328	0.3251	132.3288				
5666	UCAC4 125-179458	PM				22	7.7189547	-65	-8.074306	86.328	0.1329	68.7418				
5667	mu Cet	PulsVdelSct	A9IIIp			2	44.942261	10	6.8485039	86.350	0.1647	98.2224	30.4			Ceti
5668	LHS 6126	PM	M4.5			7	31.640967	16	44.042152	86.373	0.2679	163.2365				
5669	UCAC4 447-058352	PM				15	16.92953	0	37.194628	86.373	0.1307	211.3046	-8.83			
5670	HD 103949	PM	K3V			11	58.195079	-23	-55.43325	86.396	0.1054	252.5065	-10.28			
5671	HD 120744	PM	K2Vk:			13	55.346501	-76	-16.24485	86.396	0.1008	258.0404	-12.79			
5672	LAWD 52	White dwarf	DA2.4			13	38.841301	70	17.127357	86.396	0.2344	266.4979	26			
5673	LP 476-37	PM	M6.5			4	47.593838	14	36.456471	86.396	0.1717	84.8195				
5674	NLTT 37561	PM				14	30.931837	8	58.040146	86.396	0.1088	172.6006				
5675	2MASS J04132663-0139211	PM	M5.3V			4	13.443833	-1	-39.353	86.419	0.0769	92.6026	31.7			
5676	Feige 22 Cet	White dwarf	DA2.5			2	30.277128	5	15.844972	86.419	0.0469	107.7744	-5.7			Ceti
5677	LP 389-1	PM				9	24.288757	-40	-5.741714	86.419	0.1385	145.2896	1.06			
5678	G 24-12	PM	M0.5V			20	16.36677	-2	-4.136782	86.442	0.1697	96.3038	-16.24			
5679	HG 7-Aug	White dwarf	DA3.9			4	4.5688003	25	8.8613828	86.442	0.1482	148.0566	88			Tauri
5680	LEHPM 6134	PM				23	44.182377	-68	-31.7777	86.442	0.1862	181.0224				
5681	Wolf 261	PM	M4.17			6	3.4928424	47	48.249037	86.442	0.3274	185.7762	8.05			
5682	ASAS J081742-8243.4	RotV	M3.5			8	17.657913	-82	-43.50149	86.465	0.0837	39.9278	17.5			Chamaeleontis
5683	HD 153284	PM	K3.5Vk:			17	2.2726865	-61	-34.11702	86.465	0.0997	202.6185	-32.83			
5684	LP 860-46	PM	M5			15	53.951551	-23	-11.88881	86.465	0.1801	205.3920				
5685	NLTT 15056	PM				5	26.393083	10	3.6911455	86.465	0.1224	170.1852				
5686	TYC 7755-893-2	PM				12	2.2156758	-38	-0.439557	86.465	0.1722	210.7332				
5687	LHS 5113	PM	M2.5V			6	14.581814	2	30.454949	86.488	0.2894	197.6701	42.15			
5688	LP 717-3	PM				5	9.3227229	-13	-48.68292	86.488	0.1628	94.5086				
5689	LSPM J1912+3826	low-mass				19	12.468128	38	26.263688	86.488	0.1949	123.7162				
5690	G 213-5	PM				21	31.889679	34	58.449063	86.511	0.2591	106.5843				
5691	UCAC3 310-51735	PM	M3.5V			5	19.519749	64	54.563086	86.511	0.0880	355.7915	-61.87			
5692	UCAC4 159-159390	PM				15	57.662575	-58	-13.94771	86.511	0.1150	145.7879	11.1			
5693	CCDM J13343-0019AB		K0V			13	34.270978	0	18.826598	86.534	0.1188	82.7733	-6.41			
5694	G 19572	PM				4	42.442864	20	12.51434	86.534	0.2872	160.8687				
5695	G 271-122	PM				1	39.684024	-7	-2.214318	86.534	0.1409	155.8693	5.29			
5696	HD 33632	PM	F8V			5	13.290792	37	20.238724	86.534	0.1151	226.6617	-1.69			
5697	LSPM J0553+3150	PM				5	53.733891	31	50.878576	86.534	0.0934	199.1112				
5698	UCAC2 16821770	PM				11	52.970337	-35	-19.07955	86.534	0.0333	189.3635	-6.58			
5699	2MASS J08241203+0919590	PM				8	24.200688	9	19.985612	86.557	0.1127	209.5670				

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
5700	NLTT 46025	PM				18	9.2998934	27	6.4310027	86.557	0.1405	346.7079				
5701	UPM J1709-2858	PM				17	9.786965	-28	-58.28358	86.557	0.0957	231.5559				
5702	LHS 3586	PM	K7V			20	47.681775	70	56.037793	86.580	0.3674	328.1249	23.92			
5703	LHS 3632	PM	M:			21	9.0406481	-60	-57.62101	86.580	0.3425	139.7985				
5704	LP 641-57	PM	M3.0V			23	0.6020878	3	38.2817	86.580	0.1850	277.8455	44.13			
5705	LP 763-3	PM	M5.5Ve			23	37.639088	-12	-50.47239	86.580	0.2112	147.8473				
5706	LP 908-21	PM				12	8.5766979	-28	-39.46085	86.580	0.1438	126.3072				
5707	LSPM J0316+3132E	PM	M5			3	16.379274	31	32.739785	86.580	0.4410	139.5089	100			
5708	UCAC3 156-42168					6	50.422896	-12	-15.22837	86.603	0.1429	191.6474				
5709	BD+43 699	PM	K3V			3	23.558101	43	57.437127	86.626	0.2063	160.4934	7.54			
5710	HD 122676	PM	G7V			14	2.9477503	14	58.520922	86.626	0.0333	87.8014	-8.86			
5711	PSO J232.2915+63.2151	low-mass	M8			15	29.169677	63	12.901627	86.626	0.0783	76.3140				
5712	G 17-7	PM	M3.49			16	14.729961	4	52.142029	86.649	0.2422	79.9273	-62.61			
5713	2MASS J12513182-3846125	PM				12	51.529701	-38	-46.20748	86.672	0.3701	78.5303				
5714	PM J11545+2422	White dwarf	DA5.5			11	54.576168	24	22.66206	86.672	0.0714	180.4104				
5715	BD+02 1766	PM	K7V			7	45.019669	2	8.243119	86.695	0.1242	162.4921	-34.47			
5716	G 140-42	PM				18	9.2650251	11	2.3963699	86.695	0.2324	203.3666				
5717	LP 373-35	PM	M6V			10	57.063112	22	17.336481	86.695	0.1179	229.6600	9			
5718	LSPM J1307+1504	PM				13	7.1817075	15	4.5302268	86.695	0.1054	158.9603				
5719	SCR J0734-0539	PM				7	34.268153	-5	-39.30269	86.695	0.2087	109.1601				
5720	UCAC4 326-109439	PM				17	31.06425	-24	-52.7227	86.695	0.1081	220.7558				
5721	2MASS J06343686-5403126	PM Red & White dwarf stars Subasavage 2004				6	34.614443	-54	-3.210372	86.718	0.3013	177.2319				
5722	2MASS J19262435-1045398	PM				19	26.406115	-10	-45.6668	86.718	0.2482	125.2881				
5723	GJ 3052 (LHS 1137)	PM Near borderline with Arietis	M4.5		13.34242509	0	44.344132	9	7.5743646	86.718	0.4782	270.1421	27.9			Piscium
5724	NLTT 19450	PM	M4.5			8	24.447049	25	55.610392	86.718	0.1385	234.0702				
5725	2MASS J15415322-6848221	PM				15	41.889179	-68	-48.36349	86.741	0.4345	242.5777				
5726	HD 175726	PM	G0V			18	56.619537	4	15.907714	86.741	0.0493	181.5120	10.33			
5727	LHS 3728	PM	M3			21	54.268689	-43	-36.21792	86.741	0.3445	270.4243				
5728	LHS 6376	PM				21	23.429662	67	34.254044	86.741	0.2675	93.3379				
5729	V* VW Cep	EBWUMa	G8V+K0V			20	37.360414	75	36.031486	86.741	0.3673	328.5256	-7.9			
5730	2MASS J11000965+4957470	Brown dwarf	L3			11	0.1606949	49	57.779697	86.764	0.1167	227.3076	-117			
5731	NLTT 51901	PM				21	42.494264	23	29.220964	86.764	0.2062	179.2262				
5732	UCAC3 92-286876	PM				17	3.8725215	-44	-5.977764	86.764	0.0677	158.8387				
5733	UCAC4 603-054195	PM	M3.0Ve			15	48.807944	30	30.6499	86.764	0.0604	99.5523				
5734	UPM J1840-1934	PM				18	40.519888	-19	-34.98893	86.764	0.1281	119.4141	-0.8			
5735	WT 66	PM				1	57.075173	-59	-25.9262	86.764	0.1520	290.5668	19.58			
5736	2MASS J01415502+3843267	PM				1	41.917039	38	43.44326	86.787	0.0981	216.0118				
5737	2MASS J12065011-3937261	Brown dwarf	L1.9V			12	6.8349767	-39	-37.4354	86.787	0.0639	159.0222				
5738	GD 283	White dwarf	DA3.6			2	35.511889	57	15.408287	86.787	0.1142	99.5940				
5739	HD 14016	PM	F8			2	17.198495	37	29.001245	86.787	0.0165	134.3227	-22.37			
5740	HD 214759	PM	K0IV-V			22	40.919509	-31	-59.40357	86.787	0.2004	273.4767	-20.22			

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
5741	2MASS J19403011-6330536	PM				19	40.502287	-63	-30.89423	86.811	0.1362	188.5055				
5742	LP 507-15	PM				17	21.04553	12	58.736781	86.811	0.1646	61.6556				
5743	NLTT 23202	low-mass	M5.5V			10	2.1242684	49	57.723423	86.811	0.2164	149.5954	-82			
5744	NLTT 35024	PM				13	43.646679	8	25.724575	86.811	0.1523	68.9855				
5745	2MASS J05265973-5026216	Brown dwarf	L3			5	26.995802	-50	-26.36092	86.834	0.1328	354.3978				
5746	2MASS J19312434-2134226	PM	M2.4V			19	31.405732	-21	-34.37968	86.834	0.0690	153.6386	-26			
5747	G 215-54	PM				22	32.828862	48	10.72939	86.834	0.1798	97.4544	-10.04			
5748	HD 143291	PM	G9V			15	58.533786	27	44.399324	86.834	0.4828	69.2917	-72.42			
5749	HD 307727B	PM	M0.5-V			10	26.788286	-62	-54.08764	86.834	0.2650	216.1883	1.44			
5750	BD+39 2675	PM	K8			13	43.38459	39	14.94816	86.857	0.0691	132.7038	1.06			
5751	G 101-32	PM	M3.5			6	18.064792	43	57.115658	86.857	0.2083	188.5620	-65.53			
5752	G 255-39	PM				13	36.212726	74	26.453376	86.857	0.2217	130.8075				
5753	HD 102392	PM	K4.5V			11	47.063908	-11	-49.4442	86.857	0.1265	251.3331	18.96			
5754	2MASS J05325346+8246465	Brown dwarf	L7			5	32.891	82	46.775	86.880	1.5113	130.0032				
5755	2MASS J07305289-6335199	PM				7	30.88156	-63	-35.33356	86.880	0.1972	124.3049				
5756	G 111-17	PM				7	35.080938	45	11.505909	86.880	0.2496	210.2881				
5757	HD 47127	PM	G5			6	37.565007	12	10.833438	86.880	0.1709	194.7433	49.75			
5758	WG 32	White dwarf	DA3.2			17	2.9389606	-53	-14.60944	86.880	0.0855	180.8976	51			
5759	2MASS J04430760-4128575	PM	M4.5			4	43.126901	-41	-28.95092	86.903	0.1278	325.7701				
5760	2MASSW J2206228-204705	SB	M8.0V			22	6.3800333	-20	-47.09833	86.903	0.0209	148.4343	10.8			
5761	UCAC3 103-5673	PM				2	35.533048	-38	-38.74357	86.926	0.0751	119.3023	-2.38			
5762	UCAC4 452-045961	PM				9	9.5240582	0	13.897395	86.926	0.1076	160.0190	-35.71			
5763	HD 12042 (HIP 9085) (HR 573)		F8.5Fe-0.7			1	56.999744	-51	-45.97483	86.929	0.2492	305.5280	3.6			Eridani
5764	G 151-57	PM				15	24.62294	-6	-49.44744	86.950	0.2873	211.0089				
5765	LP 200-31	PM	M4			4	1.5397394	41	6.6359944	86.950	0.2244	156.6278				
5766	NLTT 25837	PM				10	57.775069	4	53.532898	86.950	0.1036	10.4496				
5767	2MASS J05495686-3616573	PM				5	49.94798	-36	-16.95785	86.973	0.1906	134.9267				
5768	Cl Melotte 22 KPNO 2	Brown dwarf	L0			3	45.719341	25	40.38745	86.973	0.0600	246.1126				Tauri
5769	LHS 2835	PM	M3.99			13	58.726492	0	4.7983085	86.973	0.3162	222.2790	-12.68			
5770	TYC 9276-1486-1	Star				17	19.22379	-67	-32.53277	86.973	0.0042	257.0998	-9.92			
5771	UCAC2 11235167	PM				4	33.661654	-47	-59.99728	86.973	0.0353	66.1813	24.23			
5772	UCAC4 514-055849	PM	M2.0V			13	51.881929	12	47.118799	86.973	0.0534	96.4036	-7.81			
5773	WT 402	PM				13	15.554413	-45	-31.66685	86.973	0.1907	246.1472				
5774	SCR 1011-8106	PM Red & White dwarf stars Subasavage 2004	M			10	11.206167	-81	-6.7	86.989	0.4500	112.4000				
5775	del Crv B	PM	K0V			12	29.84818	-16	-31.25344	86.996	0.1462	237.1322	6.22			Corvi
5776	HD 238087	PM	K5V			12	12.087068	58	55.583537	86.996	0.0549	280.2522	-9.98			
5777	LHS 6268	PM	M2			14	34.957428	-2	-24.98475	86.996	0.2837	141.5275				
5778	LP 759-47	PM				22	10.932215	-9	-36.01309	86.996	0.2356	155.0025				
5779	LP 788-48	PM				9	51.155126	-16	-35.30416	86.996	0.1384	39.1637				
5780	CD-30 8159	PM	M2+V			10	4.8429686	-31	-5.460465	87.019	0.2075	224.9458	-1.67			
5781	CD-45 4397	PM	M1			8	40.963798	-46	-14.51096	87.019	0.1328	164.8192	1.68			

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
5782	G 204-19	PM				17	36.4806	41	11.787841	87.019	0.2403	338.3584				
5783	HD 32850	PM	G9V			5	6.7036581	14	26.771485	87.019	0.2114	129.7861	28.86			
5784	LHS 3933	PM				23	20.117092	11	50.123267	87.019	0.3460	136.8230				
5785	rho Ind	PM	G1VFe+0.3			22	54.658049	-70	-4.42261	87.019	0.0494	30.7685	-2.05			Indi
5786	SCR J1117-4411	PM				11	17.285115	-44	-11.57478	87.019	0.1527	264.9760				
5787	2MASS J15485834-1636018	Brown dwarf	L0			15	48.97191	-16	-36.03457	87.042	0.1397	239.3270				
5788	HD 17948	PM	F5V			2	55.948679	61	31.268286	87.042	0.0865	281.9916	29.32			
5789	LP 726-11	RotV	M2.6V			8	48.607553	-13	-53.1372	87.042	0.1160	267.6334	21			
5790	LP 777-2	PM				5	7.7163784	-15	-6.511142	87.042	0.2076	128.0580				
5791	2MASSW J0030300-145033	Brown dwarf	L7V			0	30.502167	-14	-50.55667	87.066	0.1435	96.5198				
5792	BD+46 2654	PM	K7			19	16.196224	47	5.2164755	87.066	0.1367	214.6226	7.71			
5793	HD 10800	SB	G1V			1	37.925899	-82	-58.49946	87.066	0.0997	314.2235	-1.1			
5794	LHS 1735	PM				5	6.5227276	-29	-27.23251	87.066	0.3263	317.0029				
5795	LP 218-81	PM				13	20.513669	42	38.233082	87.066	0.1162	312.7208				
5796	SCR J1110-3608	PM				11	10.483511	-36	-8.408895	87.066	0.3201	89.8179				
5797	UCAC4 188-007429	PM				5	59.553463	-52	-25.083	87.066	0.1120	322.0375				
5798	2MASS J13480100-0304328	Brown dwarf	M7			13	48.016823	-3	-4.5547	87.089	0.2694	153.7458				
5799	G 187-33	PM	M3.0Ve			21	15.209938	25	47.758722	87.089	0.1747	153.3565				
5800	HD 6440B	PM	K7Ve			1	5.4959157	15	23.308517	87.089	0.1145	178.1374	-4.75			
5801	HIP 21006	RotV	K7V			4	30.278866	0	58.793172	87.089	0.0623	128.8819	27.99			
5802	LHS 1519	PM				3	14.48419	-51	-25.9168	87.089	0.3799	300.9586				
5803	LHS 3716	PM				21	49.049272	-37	-49.37176	87.089	0.4136	110.2063	-35.33			
5804	LHS 5273	PM				14	34.081344	-18	-24.17872	87.089	0.2209	239.4503				
5805	NLTT 11229	PM				3	33.855495	6	8.7079284	87.089	0.2240	303.7577				
5806	V* CX Com	Flare	M4.5			12	26.956143	27	0.8952277	87.089	0.1529	161.0609	-2.13			
5807	2MASS J11061923-3544365	PM				11	6.3208517	-35	-44.60819	87.112	0.0859	109.9241	22.89			
5808	gamma Boö (Seginus)	(delta scuti variable)	A7IV+(n)			14	32.077905	38	18.495015	87.112	0.1111	37.5396	-32.4			Boötis
5809	HD 103072	PM	K2V			11	52.138955	18	45.310953	87.112	0.1771	174.4836	1.59			
5810	Koenigstuhl 1A	PM	M6			0	21.179029	-42	-45.66947	87.112	0.1486	92.8126				Phoenicis
5811	LHS 3119	PM	M1.5			15	48.054064	-58	-11.19848	87.112	0.3216	247.9787				
5812	LHS 6174	PM				9	48.501113	54	39.268566	87.112	0.2415	258.8886	6.52			
5813	LP 736-27	PM				13	7.3479486	-10	-19.77656	87.112	0.2088	262.8228				
5814	LSPM J0533+3740	PM				5	33.275342	37	40.452397	87.112	0.2884	165.1548				
5815	StKM 26696	PM	M0V			0	51.177841	22	34.759802	87.112	0.0702	161.4395	30			
5816	UCAC4 208-183849	PM				19	27.514588	-48	-33.87475	87.112	0.2248	160.9079	-31.96			
5817	LHS 3715	PM	M3.5V			21	49.043412	-37	-49.34903	87.136	0.4131	110.8354	-34.78			
5818	V* LZ UMa	BY Draconis variable	G5V			10	50.671807	51	47.968622	87.136	0.1144	76.7226	-1.03			
5819	LHS 3173	PM				16	16.526355	7	25.97646	87.159	0.2907	160.0329				
5820	iot Crt	PM	F6.5V			11	38.666965	-13	-12.11627	87.182	0.0903	323.6482	-22.56			Crateris
5821	LHS 5097	PM	M:			4	28.827202	7	28.593486	87.182	0.2843	196.0323				
5822	NLTT 4779	PM				1	26.325037	30	5.3370658	87.182	0.1559	277.9234				
5823	SCR J0435-4020	PM				4	35.448563	-40	-20.99518	87.182	0.2027	181.1883				
5824	TYC 7418-1109-1	PM				19	9.4380199	-35	-9.652422	87.182	0.0665	157.5082	-14.07			

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
5825	UPM J0443-4129A	PM				4	43.13024	-41	-29.06039	87.182	0.1306	328.3640	19.89			
5826	BD+44 1710	PM	M0V			8	4.3788945	43	57.701007	87.206	0.0855	95.3521	20.58			
5827	G 212-58	PM	M4.05			21	47.660722	45	7.5564981	87.229	0.1834	164.8545	21.21			
5828	HD 4838	PM	K4.5Vk:			0	49.805236	-54	-35.59395	87.229	0.0595	302.6107	11.54			
5829	HIP 117795	PM	K8			23	53.330768	59	56.706935	87.229	0.0515	293.0241	-285.87			
5830	LP 261-45	low-mass	M7.0V			9	47.639107	37	10.287359	87.229	0.2761	119.9351	-86			
5831	UCAC3 130-477921	PM				22	3.3334958	-25	-21.86751	87.229	0.2009	231.8609	15.19			
5832	2MASS J07030328+0711008	PM				7	3.0547589	7	11.014472	87.252	0.2383	160.3757				
5833	LHS 2107	PM				9	7.4905672	33	4.7264586	87.252	0.4216	257.7681				
5834	LSPM J1938+4321	low-mass				19	38.803928	43	21.379922	87.252	0.1600	143.4890				
5835	SDSS J094720.08-002009.5	low-mass	M7.0V			9	47.334522	0	20.158847	87.252	0.1274	77.4712	18			
5836	Wolf 1058	PM	M1.5Ve			6	10.772065	25	56.040754	87.252	0.3453	165.0709	63.52			
5837	2MASS J21304464-0845205	Brown dwarf	L1			21	30.744129	-8	-45.34285	87.276	0.2062	96.7712				
5838	BD+70 1157	PM	K4V			21	0.0573094	70	40.120716	87.276	0.0911	107.0892	-29.78			
5839	UCAC3 11-13134	PM				12	37.314103	-84	-33.81156	87.276	0.0783	269.3243				
5840	SCR J0845-3051	PM red / white dwarf stars Subasavage 2005	M			8	45.865422	-30	-51.52265	87.299	0.3343	257.9691				
5841	BD+17 4808	PM	K3.5Vk			22	47.226825	18	23.069988	87.322	0.1554	289.4291	-23.6			
5842	LHS 1639	PM	M3.5			4	12.791796	-53	-52.07098	87.322	0.4763	318.9220				
5843	LHS 2525	PM				12	13.043828	3	15.053142	87.322	0.4046	197.9356				
5844	LP 872-20	White dwarf	DA			20	50.998363	-24	-52.06315	87.322	0.1663	131.7386				
5845	1 Hya	SB	F6V			8	24.583575	-3	-45.07444	87.346	0.1245	262.9133	71.8			Hydrae
5846	72 Oph	PM	A5V			18	7.349746	9	33.830715	87.346	0.0585	37.8464	-23.9			Ophiuchi
5847	CD-35 6480	PM	M1Vk:			10	30.847125	-35	-46.65421	87.346	0.1960	87.4840	26.66			
5848	HD 134606	PM	G6IV			15	15.250738	-70	-31.1774	87.346	0.1410	227.1692	2.03			
5849	UCAC4 715-008319	PM				1	2.0857753	52	54.243467	87.346	0.0779	239.0963	18.22			
5850	2MASS J16192830+0050118	Brown dwarf	L1.3V			16	19.471787	0	50.194413	87.369	0.0562	144.2288				
5851	LHS 3416	PM				18	50.157524	4	7.8717058	87.369	0.4862	171.9873				
5852	37 UMa		F1V		3.05	10	35.16157	57	4.9583218	87.393	0.0440	298.7797	-11.3			Ursae Majoris
5853	HD 149957	PM	K5V			16	36.817849	31	5.8082159	87.393	0.3274	142.7233	-11.42			
5854	UCAC4 608-045639	PM				9	10.804894	31	27.446193	87.393	0.0333	140.2129				
5855	2MASS J07252217-8530582	PM Red & White dwarf stars Subasavage 2004	M			7	25.368617	-85	-30.9718	87.440	0.3542	192.9551				
5856	HD 108309	PM	G2V			12	26.802358	-48	-54.79165	87.440	0.3764	262.8389	30.64			
5857	LP 160-22	PM	M5.0V			6	23.854222	45	40.07573	87.440	0.1666	186.9272	39			
5858	2MASSW J1930274-194349	Brown dwarf	M6.5			19	30.458225	-19	-43.81854	87.463	0.1295	103.9587				
5859	LP 826-143	White dwarf	DC9			0	51.181175	-20	-27.9373	87.463	0.4127	127.4388				
5860	LSPM J1731+3335	PM				17	31.909865	33	35.403797	87.463	0.0961	178.3994				
5861	LTT 3532	PM				9	35.906801	-33	-43.85426	87.463	0.1490	129.7660				
5862	2MASS J19124504+3943223	PM				19	12.750659	39	43.367284	87.487	0.0909	189.1354				
5863	HD 161612	PM	G8V			17	47.959162	-34	-1.132517	87.487	0.3502	199.9513	2.55			
5864	LSPM J1733+7949	White dwarf	DC			17	33.571514	79	49.277489	87.487	0.2280	98.1228				
5865	UCAC3 302-64980	Star				3	32.868458	60	58.911486	87.487	0.0174	343.8702				

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
5866	UCAC3 316-660	PM	M2.0Ve			0	7.8471313	67	36.424015	87.487	0.0667	213.0527				
5867	2MASS J00512263-2251317	PM				0	51.37706	-22	-51.53231	87.510	0.2159	245.7565				
5868	BD+01 3942B	PM	M0V			19	14.983752	2	9.7691457	87.510	0.3130	317.2499	-144.17			
5869	HD 288595	PM	M0			6	20.220074	2	15.534464	87.510	0.0914	231.9674	31.76			
5870	HD 41742	B PM	F4V	K4.5Vk:		6	4.6630145	-45	-4.812765	87.510	0.1459	19.4383				Puppis
5871	LP 17-55	PM				7	27.80534	80	20.150823	87.510	0.1032	5.1642				
5872	CD-42 2626	PM				6	37.268213	-42	-10.38421	87.534	0.0704	268.3877	18.51			
5873	HD 18144	PM	G8V			2	55.290093	16	18.551419	87.534	0.1219	102.8484	-1.28			
5874	TYC 2051934	PM				23	46.982775	-32	-44.78877	87.534	0.0558	55.3894				
5875	GJ 3570	PM	K4V			9	52.652668	3	7.8099032	87.557	0.0406	241.8261	13.52			
5876	V* AF Lep	RSCVn	F8V(n)k:			5	27.079386	-11	-54.05777	87.557	0.0304	160.9185	20.61			
5877	2MASS J06203099-7120403	PM	M4.5			6	20.516353	-71	-20.67764	87.581	0.2269	171.7409				
5878	CD-22 3005	PM	M1Vk			6	21.896802	-22	-43.40118	87.581	0.4001	66.7161	15.48			
5879	UCAC4 723-050719	PM	M2.0Ve			10	9.4460247	54	24.410226	87.581	0.0871	154.3021	-0.14			
5880	G 123-16	PM	M1.5Ve			12	15.473104	39	11.242992	87.604	0.1966	81.3441	-1.55			
5881	2MASS J12571355-5503591	PM				12	57.225678	-55	-3.990418	87.628	0.2254	226.5754				
5882	HD 128429	PM	F6V			14	36.996599	-12	-18.31781	87.628	0.5480	67.2344	-66.1			
5883	HD 48938	PM	G0VFe-0.8CH-0.5			6	44.865869	-27	-20.49997	87.628	0.1708	1.1423	-10.52			
5884	BD+49 1658	PM	K5V			7	41.752232	49	13.331249	87.651	0.0342	88.2681	7.65			
5885	CD-57 1054	PM	M0Ve			5	0.7855002	-57	-15.42422	87.651	0.0477	334.6033	18.07			
5886	LSPM J1657+3803	PM				16	57.25829	38	3.1506959	87.651	0.1061	168.1784				
5887	TYC 1643-120-1	PM	M2.0Ve			20	22.027	21	47.364033	87.651	0.0766	178.9197	-15.83			
5888	2MASS J18544597+8429470	Brown dwarf	M9			18	54.764616	84	29.782577	87.675	0.1991	345.2408	-2.93			
5889	LAWD 80	White dwarf	DA5.0			20	10.292023	-21	-46.7633	87.675	0.1946	162.3899	-55.8			
5890	2MASS J00575326-1028004	PM				0	57.887693	-10	-28.01175	87.699	0.0927	139.0371				
5891	HD 136894	Star	G8+V			15	24.040461	-27	-18.31326	87.699	0.0260	182.6489	-6.5			
5892	HD 147512	PM	G8/K0V			16	22.54537	-4	-14.95482	87.699	0.1127	204.0853	-20.17			
5893	LHS 1621	PM				4	3.4963527	60	9.2280178	87.699	0.3028	128.5541				
5894	2MASS J06224133-2737531	PM	M3.5			6	22.689121	-27	-37.88176	87.722	0.0908	1.4688				
5895	G 125-42	PM	M1.5Ve			19	53.545117	34	8.4763599	87.722	0.1329	355.7790	-28.43			
5896	HD 146413		K4V+K5V			16	15.951005	7	21.422544	87.722	0.2956	159.5786	3.7			
5897	LEHPM 4181	PM				21	40.142219	-57	-39.41602	87.722	0.1437	208.0449				
5898	LHS 5268	PM	M3.5			14	14.442387	23	27.561452	87.722	0.2863	202.3115				
5899	UCAC4 265-055669	PM				10	21.201115	-37	-5.730036	87.722	0.2088	143.6956				
5900	Wolf 320	PM				8	42.719138	44	32.402202	87.722	0.3363	272.3395	-144.69			
5901	Wolf 792	PM	M1.0Ve			18	3.106051	17	54.381253	87.722	0.2056	239.3012	-1.56			
5902	2MASS J13543964+5044510	Brown dwarf	L1			13	54.660461	50	44.848797	87.746	0.1472	89.7057	-66			
5903	49 Peg	PM	F6V			22	52.401241	9	50.139782	87.746	0.3045	274.8486	11.5			Pegasi
5904	BD+33 3936	PM	K4V			20	31.534532	33	46.552216	87.746	0.0831	276.7601	-26.72			
5905	G 152-44	PM				15	40.740211	-4	-25.96569	87.746	0.1521	11.9163	-32.41			
5906	G 268-104	PM				1	3.8040602	-16	-59.85244	87.746	0.0998	208.9495				
5907	HD 155902	PM	G5			17	11.140767	56	39.54964	87.746	0.0361	193.3323	3.09			
5908	HD 203454	SB	F8V			21	21.023641	40	20.697963	87.746	0.1233	183.0871	0.3			

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
5909	LP 139-6	PM				17	30.466105	52	42.993309	87.746	0.1505	10.1862				
5910	LP 175-27	PM	M7.5			14	45.104738	44	9.6479422	87.746	0.1190	184.9332				
5911	LP 29-188	PM	K5V			1	39.762371	73	42.538973	87.746	0.1133	124.7830	-23.04			
5912	2MASS J14553626-0332241	PM				14	55.603986	-3	-32.40352	87.769	0.2003	79.5742				
5913	HD 92786	PM	G9V			10	43.563755	48	12.847163	87.769	0.2186	61.5172	-32.36			
5914	HD 1388	PM	G0V			0	17.981151	-13	-27.33848	87.793	0.2334	90.0184	28.31			
5915	HD 26018	PM	G5			4	15.228611	76	17.280727	87.793	0.1425	169.8936	7.57			
5916	Wolf 983	PM	M3.94			22	5.1134058	5	8.198774	87.793	0.2790	287.1652	24.28			
5917	LHS 3258	PM	M1.5Ve			16	58.729	68	53.87598	87.817	0.3291	69.1714	-65.31			
5918	SDSS J143642.78+433235.7	White dwarf	DC			14	36.7131	43	32.594833	87.817	0.3459	31.8726				
5919	9 Aur C	PM	K5Ve			5	6.8195823	51	36.575226	87.840	0.1025	190.5972	-2.06			Aurigae
5920	CD-31 7745	PM	M0V			9	53.467823	-31	-45.13269	87.840	0.1141	231.6544	51.4			
5921	G 141-10	PM	M3.5Ve			18	26.409949	11	20.955906	87.840	0.1606	182.3617	-9.84			
5922	LP 684-3	PM	M1.5Vk			15	56.690791	-4	-14.34519	87.840	0.1153	131.6403	-30.79			
5923	GJ 3237	Flare star	M5V		13.0854902	3	36.680627	3	29.325527	87.864	0.0996	134.6402	15			Tauri
5924	HD 15767	PM	K2.5Vk:			2	31.707884	-15	-16.40712	87.864	0.0808	211.9426	-27.82			
5925	LP 921-20	PM	M4			17	47.844072	-30	-39.16129	87.864	0.2464	191.3989				
5926	LSPM J1628+0737	PM				16	28.286636	7	37.311092	87.864	0.1669	172.6946				
5927	UCAC4 641-044958	PM				8	52.418878	38	9.407188	87.864	0.1156	246.8802				
5928	G 123-10	PM				12	11.051486	40	43.797634	87.888	0.2073	112.2666				
5929	LP 815-1	PM				20	20.118752	-19	-39.05062	87.888	0.1048	132.8490	-21.43			
5930	HD 42286	PM	K1V			6	6.0587772	-59	-32.59247	87.911	0.4514	196.4414	23.8			
5931	LP 559-169	PM				17	50.144654	-33	-54.24783	87.911	0.2361	207.5749				
5932	G 48-10	PM	M1.0Ve			9	23.876345	0	8.2899142	87.935	0.1781	221.9548	25.46			
5933	LP 744-46	PM	M1.5			16	2.584756	-14	-38.62027	87.935	0.1005	129.1563	31.81			
5934	UCAC4 416-060205	PM				14	41.254295	-6	-59.15695	87.935	0.1111	104.1202				
5935	Wolf 830	PM				18	13.686317	21	5.6763758	87.935	0.2967	212.9490				
5936	WT 248	PM	M3V			10	5.9154868	-67	-21.51966	87.935	0.7113	265.1698				
5937	GD 175	White dwarf	DAH7.3			15	5.8218521	-7	-14.68249	87.959	0.1198	264.6938				
5938	HD 187923	PM	G0V			19	52.057309	11	37.699542	87.959	0.2793	225.8083	-20.56			
5939	UCAC4 180-044486	PM				9	52.754479	-54	-4.264326	87.959	0.1508	168.2911				
5940	21 LMi	PulsVdelSct	A7V(n)			10	7.4293991	35	14.681852	87.983	0.0298	270.0615	-11.4			Leonis Minoris
5941	G 69-33	PM				0	56.468024	22	47.759455	88.006	0.2333	170.7579				
5942	HD 6378	PM	K5+Vk:			1	4.4025202	-25	-36.30011	88.006	0.1861	186.1736	5.87			
5943	L 752-53	PM	M0.5Vk:			10	21.134965	-17	-43.6316	88.006	0.2703	78.3153				
5944	TYC 6024-66-1	PM				8	44.18613	-22	-29.94034	88.006	0.0920	42.7801	41.81			
5945	1 Hya B	low-mass	M4.5			8	24.562978	-3	-44.57108	88.030	0.1217	263.8585				Hydrae
5946	G 145-29	PM	M3.5V			21	14.792044	16	4.8279264	88.030	0.1698	207.8793	-12.09			
5947	LSPM J2052+7316	PM				20	52.554351	73	16.531532	88.030	0.2025	307.6834				
5948	UCAC4 219-066113	PM				12	30.747844	-46	-22.72177	88.030	0.2567	263.7621	23.7			
5949	CCDM J16439+4329AB		K5			16	43.937712	43	28.52071	88.054	0.0570	225.3557	-10.6			
5950	HD 212038	PM	K2.5V			22	22.597371	-50	-48.44805	88.054	0.6229	170.6752	-0.4			
5951	Ross 788	PM	M0V			1	21.489668	24	19.834098	88.054	0.1981	271.5546	10.83			

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
5952	TYC 9403-634-1	PM				9	10.001228	-79	-13.87652	88.054	0.0556	83.2120	6.69			
5953	[HB88] 2115-4518	Brown dwarf	M8.6V			21	18.529443	-45	-5.873935	88.078	0.3652	140.4207				
5954	HD 147365	PM	F4V			16	19.919035	39	42.514978	88.078	0.0743	267.9223	-27.92			
5955	HD 189087	PM	K1V			19	57.223581	29	49.440918	88.078	0.1530	331.8670	-30.62			
5956	HD 252023	PM	K2			6	8.220856	26	30.144433	88.078	0.0306	215.9818	25.93			
5957	HD 45977	PM	K4+Vk:			6	30.121724	-11	-48.53652	88.078	0.1002	62.7498	43.19			
5958	LHS 2509	PM	M1V			12	4.6096249	-38	-16.41541	88.078	0.3954	109.4510	-7.27			
5959	LSPM J0211+7119	White dwarf	DC			2	11.802987	71	19.224719	88.078	0.1465	139.4429				
5960	UPM J1727-6239	PM				17	27.004828	-62	-39.82389	88.078	0.1562	258.9961				
5961	2MASSI J2107247-335733	Brown dwarf	M5.5			21	7.412505	-33	-57.55993	88.102	0.2942	137.1112				
5962	G 253-53	PM	M0.5Ve			11	38.290626	81	48.530186	88.102	0.2535	271.6263	-29.64			
5963	GD 419	White dwarf	DA2.6			1	41.480046	83	34.980437	88.102	0.0858	54.7314				
5964	HD 173701	PM	G8V			18	44.58532	43	49.996485	88.102	0.0615	269.0059	-45.55			
5965	HD 64090	PM	K0:V_Fe-3			7	53.551978	30	36.304389	88.102	1.1448	158.8953	-234.45			
5966	LP 332-33	PM				17	31.753052	30	56.083753	88.102	0.1329	171.3776				
5967	LP 409-52	PM	M4.5			2	13.012691	18	3.7584516	88.102	0.1443	148.6333				
5968	zeta Sgr (Ascella)	B	A2 III	A4 IV	0.42	19	2.6121707	-29	-52.8038	88.102	0.0138	332.9270	24.7			Sagittarii
5969	G 133-8	White dwarf	DA			1	24.359504	40	23.968221	88.126	0.4094	100.4914				
5970	G 191-32	PM	M3.40			5	21.170634	55	45.850702	88.126	0.1803	156.4479	75.06			
5971	HD 233357	PM	K3V			7	13.463525	52	39.44497	88.126	0.0842	163.4540	-25.2			
5972	LP 153-14	PM				2	18.658114	50	13.854619	88.126	0.1076	142.1254				
5973	StKM 19360	PM	M0			21	53.120882	28	50.25654	88.126	0.0495	225.0509	20.18			
5974	2MASS J05171315-7706040	PM				5	17.217162	-77	-6.066666	88.149	0.2085	269.2026	20.77			
5975	HD 40409	PM	K2III-IV			5	54.100939	-63	-5.386604	88.149	0.3404	348.3075	26.33			Doradus
5976	HD 69655	PM	G1V			8	15.420237	-52	-3.61788	88.149	0.0332	185.8872	11.83			
5977	LP 17-44	PM	M5.5			7	29.310328	75	54.049886	88.149	0.1907	173.3843				
5978	2MASS J18280627-8337494	PM				18	28.103749	-83	-37.82463	88.173	0.1228	116.8608	27.8			
5979	89 Leo	PM	F5.5V			11	34.36581	3	3.6098858	88.173	0.1224	240.7281	4.4			Leonis
5980	LP 772-62	PM	M4.5			3	25.358319	-16	-14.25802	88.173	0.2741	169.2482				
5981	LP 821-27	PM				22	52.087587	-15	-32.85719	88.173	0.1911	272.7914				
5982	mu Cap	giant	F2V			21	53.296163	-13	-33.10634	88.173	0.1812	272.4764	-21.5			Capricorni
5983	PM J08126+1737	White dwarf	DA			8	12.630143	17	37.023795	88.173	0.0664	139.8991				
5984	TYC 3447-413-1	RotV				11	7.2149694	48	51.109861	88.173	0.0681	358.2317	-1.63			
5985	HD 158259	PM	G0			17	25.400932	52	47.441148	88.197	0.0603	241.4007	13.54			
5986	LSPM J1826+1120S	PM				18	26.407352	11	20.826385	88.197	0.1635	183.2497				
5987	WT 810	PM				21	44.577217	-41	-39.41057	88.197	0.2014	171.7222				
5988	54 Cas	PM	F8			2	9.1376771	71	33.120419	88.221	0.2264	127.9186	0.77			Cassiopeiae
5989	2MASS J02515408+2227299	PM	M4			2	51.901652	22	27.499127	88.245	0.0907	135.6094				
5990	HD 11130	PM	G9V			1	50.131339	29	27.87459	88.245	0.0423	209.1899	-39.64			
5991	L 900-43	PM	M1			11	28.008	-9	-10.94245	88.245	0.5882	147.7516	10.98			
5992	eta Oph (Sabik)	B	A2.5 V	A3 V		17	10.378115	-15	-43.4944	88.269	0.0622	337.9689	-2.4			Ophiuchi
5993	G 128-35	PM				23	8.574987	29	20.754291	88.269	0.1763	293.9621				
5994	G 246-12	PM	M2.5V			2	50.273985	62	51.328915	88.269	0.1764	133.8246				

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
5995	LP 984-80	PM				22	41.683512	-32	-58.81039	88.269	0.6327	106.0759				
5996	2MASSI J1608246+195747	Brown dwarf	M9V			16	8.4103143	19	57.789734	88.293	0.1616	273.2185	-10			
5997	2MASSW J0310599+164816	Brown dwarf	L8V			3	10.997833	16	48.26	88.293	0.1431	271.4443				
5998	V* V443 And	BY Draconis variable	G7V			1	10.698414	42	55.909897	88.293	0.1469	217.5483	-32.08			
5999	2MASS J08352366+1029318	Brown dwarf	M7.9V			8	35.394423	10	29.534752	88.317	0.0945	186.6513				
6000	LAWD 64	White dwarf	DA8.5			16	50.739045	-32	-49.38464	88.317	0.2904	191.9922				
6001	UCAC3 42-111197	PM				12	13.27833	-69	-7.060841	88.317	0.1077	66.4311	16.13			
6002	2MASSI J1645220+300407	Brown dwarf	L3			16	45.367791	30	4.1176483	88.341	0.0581	226.8552	-78			
6003	LSPM J0959+7533	PM				9	59.921472	75	33.133603	88.341	0.3221	221.1400				
6004	V* V478 Lyr	RSCVn	G8VSB			19	7.5397786	30	15.269606	88.341	0.0881	312.9302	-20.2			
6005	2MASS J20175647+1114138	PM				20	17.941297	11	14.235659	88.365	0.2388	170.8458				
6006	G 50-25	PM				8	14.093619	15	11.466063	88.365	0.1954	236.3933				
6007	LHS 1043	PM				0	13.82433	35	37.121629	88.365	0.2725	204.1564				
6008	NLTT 5012	PM	M6V			1	30.718616	2	36.618175	88.365	0.1338	214.7531	-15.6			
6009	TYC 344-504-1	PM	M1.5Ve			15	21.421673	4	14.821686	88.365	0.0557	293.1839	-2.67			
6010	15 Peg	PM	F2V			21	52.498612	28	47.612528	88.388	0.0497	223.7843	18.93			Pegasi
6011	EGGR 302	White dwarf	DA6.6			22	9.7850598	14	29.785445	88.388	0.2074	314.5776				
6012	G 156-78	PM				23	2.6037455	-9	-9.458822	88.388	0.2314	115.9975	-22.36			
6013	LSPM J0309+5249	PM				3	9.7847319	52	49.964335	88.388	0.1222	101.3847				
6014	UCAC2 6720150	PM				4	24.191495	-57	-0.91327	88.388	0.0674	242.9695	-4.11			
6015	11 Aqr	PM	G1V			21	0.5640127	-4	-43.81568	88.412	0.0850	160.4759	-17.54			Aquarii
6016	15 UMa (f Uma)	PM	kA3VmF5IIISr		2.13	9	8.870933	51	36.278784	88.412	0.0817	256.4727	-0.1			Ursae Majoris
6017	G 43255	PM				3	24.203114	21	50.806585	88.412	0.1722	206.4785	-26.12			
6018	HD 24331	PM	K2.5V			3	50.591473	-42	-33.9319	88.412	0.3810	342.4152	24.13			
6019	HD 89813	PM	G9V			10	22.158122	11	18.614505	88.412	0.1891	176.2145	-13.47			
6020	L 845-15	PM	M3			17	17.742099	-11	-48.44129	88.436	0.1700	182.8426				
6021	LHS 6197	PM	K6Vk:			11	8.1048897	-28	-16.08104	88.436	0.2938	263.5628	9.07			
6022	[SLS2012] PYC J20515+1924	PM				20	51.594595	19	24.033946	88.460	0.0340	130.3809				
6023	HD 198084	SB	F8IV-V	F9IV		20	45.35212	57	34.783067	88.460	0.1420	194.7923	-32.82			Draconis
6024	2MASS J00135779-2235200	Brown dwarf	L5.7V			0	13.963164	-22	-35.33841	88.485	0.0555	134.8773				
6025	HD 172393	PM	G5			18	38.032872	42	39.912807	88.485	0.1745	282.3666	32			
6026	HD 97998	PM	G1V			11	15.816949	-39	-19.41024	88.485	0.1508	43.1410	43.46			
6027	2MASS J06193544-5249367	Brown dwarf	M9			6	19.590702	-52	-49.61259	88.509	0.1250	345.5458				
6028	HD 41700	PM	F8V			6	4.4739921	-45	-2.196167	88.509	0.1510	18.5199	27.59			Puppis
6029	kappa Oph	Candidate_LP	K2III			16	57.668313	9	22.502144	88.509	0.1710	267.7599	-55.85			Ophiuchi
6030	LP 852-50	PM				12	27.036205	-25	-45.00651	88.509	0.2211	228.1787				
6031	LP 907-10	PM	M6.5e			11	38.843888	-28	-42.50927	88.509	0.1726	59.1072				
6032	LP 926-43	PM	M4.5			20	12.820709	-31	-30.36561	88.509	0.2646	155.9620				
6033	UCAC4 442-069194	PM	M4.0V			17	28.184215	-1	-43.95438	88.509	0.0967	146.5643	-10.32			
6034	2MASS J11463449+2230527	Brown dwarf	L3+L4			11	46.57485	22	30.879	88.533	0.0558	340.5269	-60			
6035	HD 286955	PM	K2			4	39.710038	9	52.323336	88.533	0.2167	181.4396	-29.12			
6036	LHS 5176	PM				10	45.844647	-60	-49.07719	88.533	0.2991	112.4242				
6037	NLTT 10125	PM				3	11.507953	43	11.447488	88.533	0.1336	177.7349				

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
6038	NLTT 34043	PM				13	25.176211	3	53.880779	88.533	0.1525	216.9083	-15.25			
6039	UCAC3 75-442482	PM				23	2.7008016	-52	-51.47004	88.557	0.0473	173.9979	-16.92			
6040	2MASS J06050115+6427485	PM				6	5.0190258	64	27.808533	88.581	0.0650	263.1594				
6041	G 116-72	Flare	M3.5V			9	59.313228	43	50.423501	88.581	0.1413	204.1457	-1.7			
6042	G 178-34	PM				14	32.153013	44	0.1699416	88.581	0.1888	251.7857				
6043	G 88-37	PM	M3.0Ve			7	32.516067	24	53.684622	88.581	0.1347	69.2979	-28.38			
6044	LP 961-53	PM				11	54.306533	-37	-33.16394	88.581	0.1687	120.0136	49.34			
6045	2MASS J17580020+3157269	PM				17	58.003108	31	57.452426	88.605	0.0892	28.9642				
6046	G 107-14	PM				6	38.620765	39	24.213601	88.605	0.2222	97.9505	-35.88			
6047	HD 68978	PM	G0.5V			8	13.574979	-31	-44.12302	88.605	0.2130	65.5696	51.74			
6048	LP 353-51	PM	M1V			2	23.444103	22	44.112695	88.605	0.0872	138.7331	12.11			
6049	LP 892-22	PM				5	13.788112	-31	-19.56398	88.605	0.2082	279.0380				
6050	theta Peg	PM	A1Va			22	10.19981	6	11.875295	88.605	0.1547	272.2430	-7.9			Pegasi
6051	BD+55 1142	PM	K7V			6	55.868737	55	38.323183	88.629	0.0570	295.1809	-39.44			
6052	L 845-16	PM	M3			17	17.755032	-11	-48.90544	88.629	0.1700	183.2776				
6053	LHS 1592	PM	M4.5Ve			3	46.92428	-22	-54.25102	88.629	0.3412	215.9125				
6054	LP 458-43	PM	M5.0			21	49.123432	18	19.597599	88.653	0.1556	320.0232				
6055	LP 837-37	PM	M6e			3	6.0286766	-26	-47.72855	88.653	0.1743	169.8334				
6056	BD+63 639	PM				6	13.588027	63	23.648434	88.677	0.1555	140.3026	21.68			
6057	CD-45 9610	PM	K5.5Vk:			15	3.0594193	-46	-17.62932	88.677	0.1747	267.9593	-69.73			
6058	HD 202108	PM	G3V			21	12.960624	30	48.570747	88.677	0.0647	9.8786	2.52			
6059	BD+58 2015B	PM	M3.5V			19	56.414311	59	9.3579044	88.701	0.2585	255.9521	16.48			
6060	HD 170209	PM	K(2)V			18	29.37172	-27	-58.31697	88.701	0.2637	188.5394	-31.25			
6061	LSPM J0514+2242	PM				5	14.256239	22	42.969139	88.725	0.1123	282.9623				
6062	2MASS J03415608-5542408	PM	M4			3	41.934751	-55	-42.68005	88.750	0.2010	316.1337				
6063	CFBDS J151114+060742	Brown dwarf, on border line with Serpentis	L5.5+T5.0			15	11.244383	6	7.7195	88.774	0.2032	227.0421				Virginia
6064	HD 4247	PM	F3VFe-1			0	44.739942	-22	-0.367967	88.774	0.0611	38.9659	11.7			
6065	HD 56124	PM	G0			7	17.158874	33	5.5233469	88.774	0.1065	198.5241	22.61			
6066	LP 661-13	PM	M3.5			6	56.31576	-8	-35.77518	88.774	0.1370	162.9201	-25.61			
6067	PPM 788226	PM				22	40.714409	-71	-31.17405	88.774	0.2520	242.6998	33.57			
6068	BD-03 3952	PM	K5			16	30.716755	-3	-59.36371	88.798	0.0908	262.2992				
6069	G 116-73	Flare	M5V			9	59.348787	43	50.427465	88.798	0.1410	204.5581	-7			
6070	HD 112943	PM	K5.5V			13	0.2832429	-2	-42.28711	88.798	0.4678	89.3993	-16.22			
6071	HD 206374	PM	G6.5V			21	41.103286	26	45.039932	88.798	0.2070	104.7890	-43.01			
6072	HD 108564	PM	K5Vmetalweak			12	28.318677	-16	-54.66295	88.822	0.3259	85.3862	111.28			
6073	HD 196850	PM	G1V			20	38.669839	38	38.10557	88.822	0.1619	133.8184	-21.01			
6074	LEHPM 4113	PM				21	28.080128	-65	-10.82634	88.822	0.1268	184.8352				
6075	LP 711-2	PM				2	44.252241	-13	-36.25113	88.822	0.1243	118.4079				
6076	LSPM J0006+0439	PM				0	6.4371265	4	39.194493	88.822	0.2320	125.9024				
6077	Ross 912	PM				11	43.748203	2	0.7193488	88.822	0.3154	112.2637	31.13			
6078	SCR J0847-3046	PM red / white dwarf stars Subasavage 2005				8	47.161709	-30	-46.20669	88.822	0.3296	176.8266				

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
6079	TYC 6339-668-1	Star				20	41.968663	-19	-4.429032	88.822	0.0206	136.9434				
6080	UCAC4 521-046824	PM	M4.5V			8	35.331968	14	8.5554528	88.822	0.1029	240.4202	12			
6081	V* KX Com	Flare	M2.5			12	56.87863	23	29.843229	88.822	0.0410	273.3609	-8.91			
6082	HD 73512	SB	K0			8	39.004202	6	57.327345	88.846	0.1800	197.1467	10.74			
6083	LP 771-24	PM				2	49.123113	-14	-41.78737	88.846	0.1304	174.2092				
6084	mu Dra C	PM	M3:			17	5.3376961	54	27.996395	88.846	0.0593	33.0558				Draconis
6085	WT 67	PM				1	57.093665	-59	-25.79145	88.846	0.1508	289.2593				
6086	HD 74842		G8V			8	44.75003	-42	-38.06764	88.871	0.1797	183.7976	9.4			
6087	HD 168871	PM	G1/2V			18	24.552296	-49	-39.17269	88.895	0.0890	167.6869	32.62			
6088	LP 70-260	PM				17	18.403249	68	2.5481095	88.895	0.1935	210.9506				
6089	LSPM J1905+1740	PM				19	5.0388784	17	40.558555	88.895	0.0995	177.1831				
6090	WT 365	PM				12	51.259247	-46	-21.75988	88.895	0.1564	264.0385				
6091	2MASS J22431696-5932206	Brown dwarf	L0			22	43.28291	-59	-32.34041	88.919	0.1554	184.2556				
6092	APMPM J0446-4233	PM				4	45.640365	-42	-32.9175	88.919	0.2578	36.9482				
6093	HD 131719	PM	K3Vk:			14	55.91696	-27	-7.637551	88.919	0.0618	257.7117	15.83			
6094	LP 272-8	PM				14	51.292869	33	37.773325	88.919	0.1340	243.5838				
6095	2MASS J12330034-5020055	PM				12	33.005645	-50	-20.09383	88.943	0.2331	300.0037				
6096	BD-12 4935	PM	K7			18	9.5543671	-12	-2.333118	88.943	0.1264	162.0144	-1			
6097	G 144-64	PM	M0.5V			21	7.407285	19	50.871513	88.943	0.2210	111.3951	-1.52			
6098	HD 199623	PM	F5.5V			21	0.3580467	-51	-15.91882	88.943	0.0920	33.3274	-22.44			
6099	LSPM J2113+0846S	PM				21	13.740015	8	46.036924	88.943	0.0970	115.5405	-16.76			
6100	UCAC4 530-012502	PM				5	16.034027	15	52.478567	88.943	0.0727	165.4110				
6101	V* MS Dra	BY Draconis variable	K0V			17	39.928239	65	0.0981712	88.943	0.0634	11.5582	-7.71			
6102	2MASS J19065426+2354140	PM				19	6.9043594	23	54.233284	88.968	0.1934	17.3729				
6103	2MUCD 10076	PM	M8e			1	20.819505	-7	-41.06148	88.968	0.0698	181.3847				
6104	L 68-145	PM				12	54.484982	-74	-30.14018	88.968	0.1158	269.5152	11.83			
6105	LP 820-30	PM				22	31.107197	-15	-34.96736	88.968	0.1380	146.1357	-27.32			
6106	UCAC2 3113347	PM				13	3.5993083	-65	-28.36705	88.968	0.0458	52.0102				
6107	UCAC4 762-044334	PM	M4.0V			15	8.1970376	62	21.889798	88.968	0.1322	33.3928				
6108	G 188-39	PM				22	2.6997463	28	17.961965	88.992	0.2341	105.5340				
6109	G 59-7	PM	M2.0Ve			12	14.433692	24	35.440837	88.992	0.2163	178.2088	-28.35			
6110	HD 186306	PM	G9V			19	41.760761	43	44.861893	88.992	0.0529	326.2031	-60.31			
6111	L 334-33	PM				15	4.2077288	-46	-29.76904	88.992	0.1731	267.4902	-68.83			
6112	LHS 1622	PM	M3			4	3.506654	-37	-53.55643	88.992	0.4074	310.7004				
6113	UCAC3 78-344073	PM				17	4.3115065	-51	-25.95648	88.992	0.0828	262.8950				
6114	UCAC4 371-053521	PM	M2.5V			9	4.0926633	-15	-55.30861	88.992	0.0662	253.3356	4.44			
6115	UCAC4 575-048201	PM	M1.5Ve			12	16.87702	24	51.085737	88.992	0.0300	5.3253	-36.07			
6116	2MASS J18090694-7613239	PM				18	9.1155905	-76	-13.39834	89.016	0.0875	177.3830				
6117	2MASS J20491972-1944324	Brown dwarf	M7.5V			20	49.329173	-19	-44.5459	89.016	0.1896	145.0921				
6118	HIP 40170	PM	K7-V			8	12.240648	51	54.425388	89.016	0.1375	209.2642	3.61			
6119	LHS 1381	PM				2	17.953587	-35	-36.32451	89.016	0.2943	303.7943	-61.12			
6120	UCAC4 413-059432	PM				14	1.3843727	-7	-33.79836	89.016	0.1018	61.4421				
6121	2MASSI J0821501+453201	Brown dwarf	M7.5			8	21.834236	45	32.020038	89.041	0.3403	217.7670				

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
6122	BD+11 2811	PM	K5V			15	27.633658	10	35.651624	89.041	0.2901	238.2684	-21.85			
6123	BD+22 2742	PM	K5V			14	44.199847	22	11.119378	89.041	0.0689	359.0247	-30.12			
6124	CD-59 788	PM	K5.5Vk:			4	8.5952984	-59	-31.60918	89.041	0.0848	215.3907	-4.09			
6125	UCAC4 472-044714	PM	M2.5V			10	56.37107	4	15.769982	89.041	0.0663	150.5655	-1.79			
6126	BD+34 1377	Star	K5			6	31.575502	34	51.980959	89.065	0.0213	80.2346	-8.4			
6127	CD-26 11751	PM	M1			16	59.554412	-26	-16.07321	89.065	0.1829	155.5527	14.99			
6128	HD 206276	PM	K3.5V			21	42.16953	-41	-7.499726	89.065	0.1846	149.8368	61.6			
6129	HD 43947	Star	F8V			6	19.669559	16	0.7949164	89.065	0.0123	225.7410	40.58			
6130	LHS 2371	PM				11	11.912599	56	57.49383	89.065	0.3620	85.5618				
6131	LP 276-33	White dwarf	DZA			16	54.76154	38	29.610431	89.065	0.1902	177.5289				
6132	SCR J1336-4147	PM				13	36.924614	-41	-47.9136	89.065	0.1214	165.9991				
6133	UCAC4 409-068586	PM				17	14.73541	-8	-20.25204	89.065	0.0933	30.8777	23.3			
6134	2MASS J20483385+1952450	PM	M4.0			20	48.564264	19	52.751495	89.089	0.0824	306.8203				
6135	HD 361	Star	G1V			0	8.272697	-14	-49.46951	89.089	0.0106	232.6904	8.07			
6136	LP 559-37	PM				18	7.3558139	-30	-56.28041	89.089	0.1568	121.8795	-21.12			
6137	2MASS J06012540-3225168	PM	M3.5			6	1.4234007	-32	-25.27926	89.114	0.0936	341.9839				
6138	2MASS J13411160-3052505	Brown dwarf	L2.7:V			13	41.193642	-30	-52.84264	89.114	0.0933	177.9952				
6139	HD 30278	PM	G9V			4	43.228091	-54	-35.60564	89.138	0.1193	165.5995	64.3			
6140	LP 275-39	low-mass	M7.0V			16	27.303788	35	38.586382	89.138	0.1126	32.8620	-6			
6141	UCAC3 141-192226	PM				17	0.8480262	-19	-36.27951	89.138	0.0737	253.2098				
6142	2MASS J23392527+3507165	Brown dwarf	L4pec			23	39.421376	35	7.2759715	89.163	0.1041	99.4470				
6143	LHS 1380	PM	M1.5V			2	17.94647	-35	-37.00925	89.163	0.2938	303.5283	33.48			
6144	LHS 3959	PM	M:			23	29.357615	-46	-46.92008	89.163	0.4101	109.7716				
6145	UCAC2 1564860	PM				7	53.908748	-70	-22.16473	89.163	0.0470	49.5228	23.45			
6146	UCAC3 89-344740	PM				17	52.274956	-45	-50.37616	89.163	0.0369	84.1186				
6147	2MASS J21100351+6615021	PM				21	10.058849	66	15.034146	89.187	0.0843	147.6058				
6148	BD-13 6424	RotV	M0Ve			23	32.514359	-12	-15.85776	89.187	0.0940	120.4568	1.8			
6149	HD 112099	SB	K1V			12	53.906684	6	45.773867	89.187	0.1455	68.0260	-24.1			
6150	2MASS J16482879-3459486	PM				16	48.47954	-34	-59.81541	89.211	0.3546	243.0768				
6151	GJ 3473	PM	M4V			8	2.3813814	3	20.328205	89.211	0.3227	226.6182	-2			
6152	HD 146800	PM	K2.5V			16	20.299548	-48	-13.54813	89.211	0.5125	206.9913	1.76			
6153	HD 77825	BY Draconis variable	K2V			9	4.3449016	-15	-54.85497	89.211	0.0653	253.9917	4.39			
6154	LP 802-7	PM	M5.5			15	13.057449	-20	-37.84271	89.211	0.1664	190.1095				
6155	UCAC4 411-015661	PM				6	34.399434	-7	-53.33806	89.211	0.2061	68.6540	45.07			
6156	HD 154387	Star	K4.5V			17	7.5232439	-48	-14.8993	89.236	0.0259	143.4979	-20.51			
6157	L 800-18	PM	M3.5			2	15.814667	-12	-40.45999	89.236	0.3159	293.3416				
6158	LHS 2536	PM				12	15.741321	62	44.324863	89.236	0.3212	261.0771				
6159	UCAC2 12313354	PM				17	52.234254	-45	-51.78674	89.236	0.0512	69.4440				
6160	L 1422-15	PM	M5V			17	39.537524	27	46.610662	89.260	0.1155	178.6171	17.29			
6161	StKM 1-288	Star	M0			2	35.91604	-19	-44.39267	89.260	0.0158	302.8096	-20.53			
6162	beta Eri (Cursa) Dhalim	(Dhalim)	A3 III		0.8	5	7.8497582	-5	-5.186758	89.260	0.0652	227.6888	-6			Eridani
6163	DENIS J145709.6-042036	PM				14	57.160654	-4	-20.61557	89.285	0.1096	211.8545				
6164	GSC 01993-02417	PM	M2.5			12	56.8692	23	29.835264	89.285	0.0438	276.3492				

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
6165	HD 129642	PM	K2+V			14	45.162314	-49	-54.97664	89.285	0.4487	239.5886	-6.47			
6166	HD 151995	PM	K3.5V			16	50.088084	18	54.024964	89.285	0.0500	213.1166	-5.52			
6167	UCAC3 175-155252	PM				17	31.120922	-2	-39.30261	89.285	0.0301	239.8153				
6168	G 138-28	PM	K4V			16	26.558049	15	39.897327	89.309	0.1544	358.0055	-52.67			
6169	HD 215641	PM	G8V			22	47.15557	-32	-40.52739	89.309	0.1532	110.1851	0.63			
6170	NLTT 49654	PM				20	38.268477	63	49.615708	89.309	0.1070	308.4394				
6171	UCAC3 71-10590	PM				4	43.190538	-54	-35.62936	89.309	0.1136	167.1208				
6172	LHS 1182	PM	M4.0V			1	3.2409086	71	13.211538	89.334	0.2968	96.6282				
6173	LP 207-50	White dwarf	DC			7	53.221362	42	30.028165	89.334	0.2381	164.7567				
6174	TYC 1624-397-1	PM	M0.0Ve			19	54.626001	20	13.108832	89.334	0.0427	211.2546	-47.85			
6175	2MASS J02350634+6314325	PM				2	35.104473	63	14.548003	89.358	0.3845	126.2096				
6176	2MASS J07193188-5051410	Brown dwarf	L0			7	19.531279	-50	-51.68486	89.358	0.1154	105.3540				
6177	G 118-66	PM	M3.0Ve			10	30.394925	32	50.224384	89.358	0.3217	225.7160				
6178	G 203-60	PM				17	20.708062	42	5.1168416	89.358	0.1565	143.0584	-5.71			
6179	51 Aql	Star	F5VFe-1CH-0.7			19	50.779725	-10	-45.81059	89.383	0.0268	45.1952	13.1			Aquilae
6180	G 261-15B	PM				19	53.833588	75	1.4969176	89.383	0.1515	235.8385				
6181	HD 222935	PM	K2V			23	45.165767	29	33.713497	89.383	0.5460	90.5601	51.5			
6182	mu Dra Arrakis	(Arrakis) B C	F6V	F6V, dwraf		17	5.3354005	54	28.201657	89.383	0.0520	40.5943	-17.3		0.057	Draconis
6183	Ross 593	PM	M3			4	20.959767	37	28.726673	89.383	0.3256	172.9933				
6184	UCAC4 307-069397	PM				13	0.0335804	-28	-43.49202	89.383	0.2529	130.4224				
6185	Wolf 335	PM	M1.0V			10	0.7381073	32	18.562386	89.383	0.7028	236.5302	-32.7			
6186	G 108-27	PM	M4.0V			6	47.458542	5	24.468883	89.407	0.1794	169.3944				
6187	LHS 1155	PM				0	50.022149	-54	-32.08954	89.407	0.3125	322.4909	0.42			
6188	LSPM J0437+4230	PM				4	37.03682	42	30.707527	89.407	0.1528	141.6961				
6189	UCAC4 520-053265	PM				12	1.7556027	13	53.851742	89.407	0.0754	145.5212	-34.1			
6190	UCAC4 705-082551	PM	M2.5Ve			21	14.537577	50	52.525904	89.407	0.1230	270.2092				
6191	HD 174719	PM	G5/6V			18	51.80704	3	1.861261	89.432	0.0816	182.3920	-17.33			
6192	HD 7895B	PM	K7Ve			1	18.670287	0	52.46368	89.432	0.2937	120.2819	17.78			
6193	LP 81-30	PM	M1.0Ve			14	16.189573	23	23.486911	89.432	0.1181	212.8609	-38.64			
6194	G 82-32	PM				4	34.22208	-1	-2.987987	89.456	0.2118	289.4215	39.12			
6195	G 87-9B	PM	M4.0V			6	49.601632	35	8.3349728	89.456	0.2103	154.9206				
6196	2MASS J07193535-5050523	PM	M4			7	19.589127	-50	-50.87351	89.481	0.1150	106.3052				
6197	G 138-7	PM				16	11.468397	7	3.9993246	89.481	0.1235	202.2952				
6198	LHS 6064	PM				3	45.266014	4	2.630002	89.481	0.2833	141.6879				
6199	LP 95-282	PM				12	38.889619	58	57.095794	89.481	0.1630	76.0744				
6200	2MASS J10282500-3959230	PM				10	28.416717	-39	-59.38465	89.505	0.0872	88.1977				
6201	CD-31 19078	PM	M0:			23	0.3925874	-31	-7.194981	89.505	0.2799	201.8086	0.17			
6202	HD 107146	PM	G2V			12	19.10837	16	32.897845	89.505	0.1338	229.5464	1.68			
6203	LP 837-16	PM				5	43.076386	-26	-35.66188	89.505	0.1214	341.0295				
6204	SDSS J092542.82+612012.9	PM				9	25.713963	61	20.214133	89.505	0.0559	300.5842				
6205	157 G. Sgr (HD 179949)	b	F8V		4.09	19	15.553835	-24	-10.76122	89.530	0.0911	130.7733	-24.7	1	0.4	Sagittarii
6206	BD-18 4031	PM	K4V			15	18.659161	-18	-37.59558	89.530	0.3326	128.5622	79.78			
6207	DENIS J144137.2-094558	Brown dwarf	L1+L1			14	41.61945	-9	-45.98333	89.530	0.1183	266.8983				

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
6208	G 40-11	PM	M4.0			8	12.310594	21	58.796721	89.530	0.2470	88.8666				
6209	LHS 2959	PM				14	40.004782	48	17.925494	89.530	0.3510	188.0034				
6210	UCAC3 228-60963	PM	M1.5V			6	26.242289	23	49.642723	89.530	0.0796	184.5056	16.02			
6211	2MASS J01080755-1919196	PM	M4.0			1	8.1263123	-19	-19.32522	89.555	0.1701	96.3693				
6212	BD+29 2228	PM	K7V			11	54.957586	28	44.253554	89.555	0.2066	147.2999	-14.88			
6213	UCAC4 447-038194	PM	M3.5V			7	36.504722	0	39.592389	89.555	0.0627	186.1661	48.85			
6214	USNO-B1.0 0703-00025105	Brown dwarf	L2			2	19.467568	-19	-38.68899	89.555	0.1485	124.3036				
6215	[FS2003] 325	PM	M4			6	1.4254607	-32	-25.19461	89.579	0.0852	343.7163				
6216	G 69-32	PM	M4.5V			0	54.801361	27	31.060521	89.579	0.1988	272.3995	7.3			
6217	2MASS J10482788-5254180	Brown dwarf	L1.5			10	48.464498	-52	-54.30216	89.604	0.1420	78.6426				
6218	BD+40 2309	PM	K4V			10	15.106812	39	31.015558	89.604	0.0941	345.6900	14.32			
6219	CD-33 408	PM	K7Vk:			1	7.2264774	-32	-25.78158	89.604	0.0938	184.8169	17.3			
6220	GJ 3474	PM	M6			8	2.3440668	3	19.725686	89.604	0.3210	226.3684				
6221	SCR J0755-2742	PM				7	55.745975	-27	-42.11128	89.604	0.1596	68.0761				
6222	StKM 2-1217	PM	K5V			16	4.6161329	26	20.72024	89.604	0.0751	47.8721	-23.62			
6223	HD 187748	PM	G0			19	48.257477	59	25.374066	89.629	0.0686	352.0366	-5.22			
6224	HD 75332	PM	F7Vs			8	50.537042	33	17.103335	89.629	0.0610	216.9708	4.27			
6225	UCAC4 042-017722	PM				23	27.736933	-81	-44.72659	89.629	0.1740	99.2989	9.84			
6226	UCAC4 556-032452	PM				6	41.552775	21	11.073245	89.629	0.0923	192.9169				
6227	HD 218760	PM	K3Vk:Fe-0.3			23	10.813608	-29	-55.06306	89.653	0.2628	93.2842	-12.73			
6228	HD 39881	PM	G5IV			5	56.057216	13	55.494931	89.653	0.3550	142.3217	0.37			
6229	HD 99453	SB	F7V			11	25.719054	-63	-58.34849	89.653	0.1874	258.1029	-5			
6230	LP 169-51	PM				11	30.10519	48	48.386802	89.653	0.1091	97.7225				
6231	CD-23 12010	PM	K7V			15	0.3233084	-24	-27.24492	89.678	0.1175	262.3087	-26.34			
6232	LP 870-54	PM	M2.5			19	52.693755	-24	-46.03437	89.678	0.2053	187.4613				
6233	LTT 6724	PM				16	53.748214	-64	-41.06013	89.678	0.2418	207.6755				
6234	WT 135	PM	M2.5V			4	11.452975	-44	-18.15412	89.678	0.3875	291.7244	16.75			
6235	HD 170510	PM	K2			18	29.531881	9	3.7252363	89.703	0.1177	291.1123	-42.04			
6236	16 Lib	PM	F2V			14	57.183306	-4	-20.78755	89.727	0.1061	212.5401	26.3			Librae
6237	BD+35 1493	PM	K6V			6	49.597506	35	8.4332438	89.727	0.2022	153.4248	13.37			
6238	EGGR 251	White dwarf	DQ6			9	50.285686	53	15.247156	89.727	0.1539	262.4057	0			
6239	HD 144585	PM	G2V			16	7.0561646	-14	-4.277844	89.727	0.1522	87.9014	-13.96			Scorpii
6240	HD 29587	SB	G2V			4	41.605274	42	7.1070158	89.727	0.3934	127.8370	112.67			
6241	2MASS J08440350+0434356	Brown dwarf	M9V			8	44.058529	4	34.593296	89.752	0.2486	50.3316	74			
6242	BD+23 3035	PM	K3V			17	1.9970824	22	56.157727	89.752	0.0910	57.2365	-24.99			
6243	LSPM J1626+1938	White dwarf	DA			16	26.438899	19	38.655362	89.752	0.1608	39.2320				
6244	SCR J0433-0211	PM				4	33.52535	-2	-11.01641	89.752	0.2088	138.1491				
6245	LHS 2889	PM				14	18.13348	49	39.849641	89.777	0.3467	65.2665				
6246	LP 237-32	PM	M3.8V			22	47.627727	40	41.423854	89.777	0.1114	297.7741	-3			
6247	G 170-26	PM	M2.5V			17	14.024297	17	38.915772	89.802	0.1553	189.7356				
6248	HD 31000	BY Draconis variable	G5V			4	53.936851	36	45.446002	89.802	0.0075	332.9203	-4.69			
6249	LSPM J0552+0321	PM				5	52.780488	3	21.028959	89.802	0.1182	111.2987				
6250	LSPM J0612+0024	PM				6	12.286122	0	24.117023	89.802	0.2912	153.4618				

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
6251	UCAC4 526-007413	PM	M2.92			3	59.103963	15	10.817752	89.802	0.0816	182.0324	30.24			
6252	HD 60272	PM	G9V			7	36.969867	57	32.978792	89.826	0.1169	159.2394	34.65			
6253	LHS 1264	PM	M3			1	34.687669	-26	-4.929708	89.826	0.3557	169.0375				
6254	StKM 1-1494	PM	M0			17	34.77871	-6	-54.17783	89.826	0.0453	184.7310	-2.66			
6255	UCAC4 260-092668	PM				16	9.2164497	-38	-4.542953	89.826	0.2989	222.5246				
6256	UCAC4 516-086171	PM	M2.0V			18	51.993461	13	0.0588589	89.826	0.0943	162.5832	-21.82			
6257	UCAC4 705-049980	Star				10	58.125314	50	57.048035	89.826	0.0260	31.0186	29.7			
6258	beta Per (Algol)	B C (eclipsing)	B8 V	K02 IV, A5	-0.15	3	8.1689119	40	57.338614	89.826	0.0020	119.0383	4			Persei
6259	2MASS J19192022-0133543	PM				19	19.33725	-1	-33.90245	89.851	0.2007	330.5586				
6260	HD 28255B	PM	G7V			4	24.193102	-57	-4.31679	89.851	0.0640	236.4544	-3.7			
6261	LHS 6062	PM				3	44.811837	81	53.478161	89.851	0.2597	148.7267				
6262	LP 644-40	PM				0	6.3999985	-8	-0.341817	89.851	0.2388	151.6034				
6263	NLTT 20484	PM	M5V			8	55.109715	52	51.470929	89.851	0.1496	218.5219	-3			
6264	UCAC4 385-070603	PM				15	54.520474	-13	-10.32989	89.851	0.0769	138.0744	13.11			
6265	UCAC4 528-099687	PM				19	20.207366	15	31.867243	89.851	0.1141	233.8594	12.23			
6266	G 272-147	PM				2	3.7357806	-13	-34.76949	89.876	0.2653	105.2965	21.17			
6267	HD 155918	PM	G2VFe-1.0CH-0.6			17	22.21083	-75	-20.88903	89.876	0.5763	255.2236	60.34			
6268	LHS 3105	PM				15	42.667478	61	30.415665	89.876	0.3449	39.8912				
6269	13 Ori	PM	G1IV			5	7.6385526	9	28.306857	89.901	0.2222	180.7813	-22.29			Orionis
6270	2MASS J17503293+1759042	Brown dwarf	T3.5			17	50.549	17	59.071667	89.901	0.1188	299.3272				
6271	LP 833-49	PM				4	10.689359	-26	-17.6818	89.901	0.2121	287.6981				
6272	NLTT 26240	PM				11	4.6526659	-72	-57.07278	89.901	0.1495	108.2618				
6273	LP 484-5	PM				8	0.9664798	13	0.9646987	89.925	0.1336	245.5204	30.09			
6274	LSPM J1346+0102	PM				13	46.43045	1	2.5616282	89.925	0.2621	241.9337				
6275	TYC 4351-466-1	PM	M1.0Ve			5	17.354914	72	10.860449	89.925	0.0686	188.3830	17.64			
6276	UCAC4 385-070621	PM				15	54.688577	-13	-9.363962	89.925	0.0763	136.7705				
6277	HD 55458	PM	K1V			7	13.885185	25	0.6828142	89.950	0.2414	257.6704	-54.5			
6278	HD 82943	PM	F9VFe+0.5			9	34.845587	-12	-7.772722	89.950	0.1016	179.5038	8.22			
6279	psi Tau	PM	F1V		3.01	4	7.0076162	29	0.0784736	89.950	0.0534	85.2592	9.15			Tauri
6280	SCR J0113-7603	PM				1	13.524796	-76	-3.154634	89.950	0.1378	127.9333				
6281	2MASSW J0130058+172143	Brown dwarf	M8			1	30.09679	17	21.725972	89.975	0.0495	23.6769				
6282	G 57-17	PM	M4.0V			11	45.198275	18	20.973415	89.975	0.2393	225.4491				
6283	HD 314741	PM	K5Ve			17	54.902038	-26	-49.69467	89.975	0.0613	155.4694	-31.17			
6284	HD 55720	PM	G8V			7	11.527793	-49	-25.45225	89.975	0.4756	0.4997	87.41			
6285	LP 639-11	low-mass	M5V			22	1.5790631	-1	-45.94436	89.975	0.2628	107.0449	-9			
6286	2MASS J06560887+2211380	PM	M6V			6	56.147782	22	11.635955	90.000	0.1364	226.7274	63.1			
6287	LP 182-4	PM	M5.0			18	30.920199	47	36.003733	90.000	0.1924	4.6413				
6288	BD+49 2743	PM	K6V			18	10.937809	49	58.265991	90.025	0.1325	182.2055	-39.95			
6289	CD-22 13916	PM	K8Vk:			19	24.570586	-22	-3.730586	90.025	0.2951	207.0729	40.8			
6290	HD 73524	PM	G0Vp			8	37.333219	-40	-8.860003	90.050	0.1788	84.0661	-1.75			
6291	LHS 1832	PM	M1V			6	10.997964	-65	-12.34694	90.050	0.4534	166.7863	50.14			
6292	LHS 2503	PM				12	3.2954073	38	52.787852	90.050	0.3192	148.7806				
6293	LP 645-49	PM				0	34.808454	-5	-9.898512	90.050	0.2400	233.2148				

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
6294	LP 786-22	PM	K9Vk:			8	57.23661	-19	-35.06462	90.050	0.1874	193.8223	14.7			
6295	G 105-28	PM				6	19.511766	16	45.518443	90.075	0.1835	199.6245				
6296	L 149-51	PM	K3V			14	13.53966	-62	-7.555837	90.075	0.4469	224.4534	22.29			
6297	L 248-27	PM				10	26.991557	-52	-28.16576	90.075	0.2166	13.8340	70.48			
6298	LHS 2223	PM				10	8.7771304	15	10.146033	90.075	0.3879	57.7465				
6299	LHS 468	PM	M1			18	48.747897	-2	-33.76193	90.075	0.6414	235.2527	10.52			
6300	LSPM J0747+1107	White dwarf	DA			7	47.501606	11	7.5783375	90.075	0.1146	157.6860				
6301	UCAC2 29941185	Star				23	3.6171758	-5	-38.57436	90.075	0.0160	273.3298	-16.39			
6302	37 Cap	PM	F5VFe-0.8CH-0.4			21	34.850875	-20	-5.05585	90.100	0.0268	47.5282	3.27			Capricorni
6303	G 191-30	PM	M3.5			5	20.689942	58	47.554203	90.100	0.3061	163.8301	-3.54			
6304	LTT 3788	PM				10	19.788955	-34	-2.36469	90.100	0.2237	66.6364				
6305	TYC 471-1564-1	PM	M1.0Ve			19	11.796389	5	0.6018899	90.100	0.0738	310.1656				
6306	UCAC3 35-52426	PM				11	4.5585537	-72	-57.1639	90.100	0.1480	108.3356	16.81			
6307	LP 566-6	PM				16	49.012647	8	38.554215	90.124	0.1514	137.2286	-18.63			
6308	G 240-44	PM	M3.0V			17	6.2942947	64	38.148679	90.149	0.1478	30.1763	-38.75			
6309	L 1298-81	PM	M2V			0	17.985991	20	57.408197	90.149	0.2589	214.4935	-49.1			
6310	HD 11007	PM	F8V			1	48.692708	32	41.412526	90.174	0.1984	29.4578	-24.35			Trianguli
6311	HD 146946		F9V			16	17.766104	31	48.263333	90.174	0.2024	333.3395	-34.72			
6312	LHS 1904	PM				7	11.328671	-67	-7.365506	90.174	0.3900	171.7364	38.92			
6313	L 149-51 B	PM	M4V			14	13.505825	-62	-7.761507	90.199	0.4464	225.1268				
6314	LHS 2403	PM	M5V			11	25.009183	43	19.654463	90.199	0.3266	248.5446	18			
6315	LP 216-35	low-mass	M7V			12	1.5609359	40	46.776651	90.199	0.2834	229.8479	-15			
6316	LP 292-63	PM	M5.5			0	17.965795	30	28.172063	90.199	0.1898	277.2696				
6317	SCR J0907-3533	PM				9	7.2849185	-35	-33.04657	90.199	0.1845	56.1430	40.91			
6318	UCAC3 170-18323	PM				5	7.8042288	-5	-8.507405	90.199	0.0743	229.9130	-6.31			
6319	UCAC4 468-048593	PM	M1.0Ve			13	21.50098	3	32.98812	90.199	0.1120	334.0623	-18.84			
6320	HD 329879	PM	M			15	49.63893	-47	-36.56826	90.224	0.2305	171.6068	-42.36			
6321	LHS 3111	PM	M:			15	45.505964	43	50.891437	90.224	0.4136	178.3592				
6322	WT 1356	PM	M4.5V			3	13.328359	-16	-38.76256	90.224	0.3913	234.7355				
6323	2MASS J14132052+0023047	PM	M5V			14	13.342	0	23.08	90.249	0.1062	153.9967	10			
6324	G 43295	PM	M4.0V			3	58.817667	12	30.403333	90.249	0.2357	140.8101	38			
6325	HD 14635	PM	K4-V			2	21.740288	-6	-52.77191	90.249	0.1744	279.9038	26.41			
6326	L 254-34	PM				12	15.248332	-53	-19.11242	90.249	0.2353	174.6838				
6327	LTT 3629	PM				9	53.504619	-31	-28.203	90.249	0.1364	172.8859	84.03			
6328	2MASS J05394952+5253597	Brown dwarf	L5			5	39.825561	52	53.996662	90.274	0.0884	184.7956				
6329	2MASS J07230144-1616209	Candidate_Brown dwarf				7	23.023834	-16	-16.34238	90.274	0.1519	31.6580				
6330	G 144-57	PM				21	3.7259949	17	16.815252	90.274	0.1205	276.8109				
6331	G 50-1	PM	M3.0Ve			7	41.880356	5	2.4077039	90.274	0.1531	250.6238				
6332	HD 37065	PM	K2V			5	34.810344	-23	-28.13899	90.274	0.3128	143.6944	-28.58			
6333	LSPM J1305+1934	PM	M6.5			13	5.6110466	19	34.946945	90.274	0.3247	25.8173				
6334	LSPM J1410+0245	White dwarf	DAZ			14	10.666294	2	45.218353	90.274	0.1440	188.1713				
6335	LHS 1007	PM				0	2.5568131	-63	-24.11983	90.299	0.4333	222.1945	62.77			
6336	NLTT 43392	PM				16	43.056003	-44	-42.82561	90.299	0.1170	226.3429	-18.92			

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
6337	Wolf 58	PM	M1.5V			1	13.329662	58	55.373716	90.299	0.1227	129.0211	-17.73			
6338	BD+10 2518	PM	K5			13	10.282898	9	32.165677	90.324	0.1387	129.9315	18.7			
6339	sigma Ser	PM	A9Ib/II			16	22.072471	1	1.742474	90.324	0.0967	72.0800	-49.3			Serpentis
6340	TYC 3120-1055-1	RotV	M2.0Ve			19	9.5282078	39	10.855195	90.324	0.1239	211.3324	-24.89			
6341	HD 61033	PM	G7V(e)			7	34.466942	-52	-58.08774	90.349	0.1642	7.1086	23.5			
6342	LHS 3700	PM	M0.5Ve			21	40.213195	37	3.4808105	90.349	0.2855	232.6864	-34.4			
6343	LP 427-38	PM	M7			9	25.580226	17	4.6928717	90.349	0.1345	88.6897				
6344	LP 759-17	low-mass	M6/6.5e			22	2.1877662	-11	-9.772685	90.349	0.1362	145.9705				
6345	UCAC4 279-007659	PM	MV			5	46.97405	-34	-20.85502	90.349	0.1394	327.1380	64.85			
6346	GJ 828.1	PM	K7V			21	26.707529	3	44.228435	90.374	0.0388	216.7137	-4.87			
6347	HD 40650	PM	F5			6	2.7523536	47	48.571834	90.374	0.0590	339.4537	-76.84			
6348	LP 52-34	PM				12	19.813012	-23	-32.08399	90.374	0.1281	264.3116				
6349	LSPM J0222+3651	PM				2	22.103067	36	51.778551	90.374	0.2549	110.1216				
6350	UCAC4 258-202380	PM				23	45.17718	-38	-32.39832	90.374	0.1176	186.0729				
6351	WT 689	White dwarf	DA8.5			20	12.81271	-46	-59.04323	90.374	0.1583	138.2290				
6352	2MASS J04235322-0006587	PM	M8.5			4	23.886911	0	6.9806428	90.400	0.0603	236.3955				
6353	bet Col	PM	K1III_CN+1			5	50.95987	-35	-46.09848	90.400	0.2373	352.3156	89.4			Columbae
6354	G 253-38	PM	M2.5			10	45.108236	82	33.452001	90.400	0.1552	255.9653				
6355	HD 28946	PM	G9V			4	33.839982	5	23.101816	90.400	0.1678	197.7047	-46.26			
6356	LP 150-6	PM				0	26.222877	46	26.891442	90.400	0.1437	179.2204				
6357	LP 679-32	PM	M5.5V			14	12.116088	-4	-13.80997	90.400	0.1929	118.7717				
6358	2MASS J03471888+5424500	PM				3	47.315103	54	24.829081	90.425	0.1495	150.4757				
6359	2MASS J04143504-1001030	PM				4	14.584278	-10	-1.052732	90.425	0.0855	126.8368				
6360	G 79-46	PM				3	31.852769	8	57.526876	90.425	0.1467	99.9705				
6361	GJ 4099	PM	M2.0Ve			19	9.3194468	39	12.059434	90.425	0.1224	212.1371				
6362	CD-40 13021	PM				19	4.1839047	-40	-26.73537	90.475	0.0882	173.5114	-28.43			
6363	HD 110619	PM	G5V			12	43.712063	-37	-42.48866	90.475	0.3852	251.6580	-26.16			
6364	HD 189931	PM	G1V			20	4.0446271	-37	-52.58942	90.475	0.2303	168.5048	-41.11			
6365	TYC 9068-1068-1	Star				18	20.258617	-60	-14.09337	90.475	0.0285	266.4516	-3.98			
6366	TYC 9288-1784-1	PM				17	34.800205	-73	-27.57505	90.475	0.0343	156.9353	-10.22			
6367	2MASS J05025164+1727026	PM				5	2.8606998	17	27.043966	90.500	0.0548	109.4412				
6368	2MASS J22223346+5857090	PM				22	22.556992	58	57.149892	90.500	0.2352	280.8230				
6369	UCAC4 530-068203	PM				17	48.18748	15	58.779052	90.500	0.0697	27.3430				
6370	UPM J0314-6241	PM				3	14.855193	-62	-41.69683	90.500	0.0655	298.1257				
6371	CD-33 501	PM	K6.5Vk:			1	22.384485	-33	-12.85391	90.525	0.2703	129.7448	40.46			
6372	CE 247	PM				10	54.433696	-34	-45.49692	90.525	0.2859	238.3138				
6373	HD 150248	PM	G3V+?			16	41.829911	-45	-22.12516	90.525	0.0651	146.8263	65.74			
6374	LP 374-4	White dwarf	DC?9			11	10.989017	20	26.115247	90.525	0.4801	267.0361				
6375	TYC 2556-1281-1	Star				14	29.11168	32	55.566048	90.525	0.0131	249.4579	5.41			
6376	17 Crt B	PM	F8V			11	32.267333	-29	-15.79822	90.550	0.0824	8.9417	7.15			Crateris
6377	BD+20 1790	BY Draconis variable	K5e			7	23.726488	20	24.977577	90.550	0.1397	195.8512	7.07			
6378	LHS 1595	PM				3	48.531741	12	26.209176	90.550	0.3306	147.7667				
6379	LHS 3298	PM	M2.5			17	32.130396	50	24.835366	90.550	0.3089	180.3237				

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
6380	UCAC4 507-141877	PM				22	0.959883	11	16.403512	90.550	0.0823	107.6631	17.65			
6381	2MASS J16141557+8211327	PM	M8			16	14.256849	82	11.552765	90.575	0.4379	39.0663				
6382	G 61-48	PM	M2V			13	16.884534	23	10.11596	90.575	0.1649	109.2246	-4.27			
6383	L 1422-16	PM	M1V			17	39.511852	27	45.733292	90.575	0.1170	175.5188	17.6			
6384	LP 583-38	PM	M5V:			23	44.150284	8	5.7665746	90.575	0.1416	179.0277				
6385	LP 938-144	PM				1	14.611038	-34	-34.84943	90.575	0.1817	280.2973				
6386	RX J0506.2+0439	TTau	M4.5V			5	6.2154383	4	39.453121	90.575	0.0553	161.4971	18.16			
6387	G 250-27	White dwarf	DA			6	53.840496	63	55.967355	90.601	0.2441	198.5757				
6388	HD 176986	PM	K2.5V			19	3.0978826	-11	-2.63552	90.601	0.1558	208.2848	37.39			
6389	L 1298-82	PM	M3V			0	17.976969	20	57.314699	90.601	0.2582	214.7801				
6390	LHS 1022	PM	M4V			0	7.9853041	8	0.3245156	90.601	0.3157	220.2929	-26.79			
6391	LP 686-2	PM				16	43.932141	-7	-26.16975	90.601	0.1442	229.6589	17.63			
6392	TYC 2122-1204-1	PM	M2.0Ve			19	4.5235705	24	1.9106245	90.601	0.0861	86.9535	-42.29			
6393	G 31-54	PM				0	28.961013	-2	-26.98329	90.626	0.1798	115.4873				
6394	HD 88215	SB	F3V			10	10.098112	-12	-48.95536	90.626	0.0957	228.1352	23.6			
6395	LHS 3017	PM	M4.0			15	3.5799083	84	38.438783	90.626	0.3219	227.6784				
6396	LSPM J2059+4202	PM				20	59.625226	42	2.6943124	90.626	0.0900	313.8667	-10.81			
6397	UCAC4 322-204379	PM				19	16.593214	-25	-38.69878	90.626	0.1840	170.6390				
6398	UCAC4 513-024260	PM				6	21.91722	12	31.700471	90.626	0.0621	147.3769				
6399	LP 698-18	PM	M5.5			21	37.289306	-5	-27.73857	90.651	0.2210	279.5325				
6400	PM J19110-3820	PM				19	11.004242	-38	-20.53142	90.651	0.3518	110.3259				
6401	Ross 820	PM	M0V			18	3.7955151	25	45.339444	90.651	0.1352	190.9388	5.66			
6402	TYC 3270-746-1	Star				0	47.292229	50	29.37433	90.651	0.0028	15.8289	-24.72			
6403	G 143-29	PM	M2.0V			20	6.5175337	15	59.285419	90.676	0.1757	323.9678	-21.48			
6404	G 47-28	PM	M3.0Ve			9	12.044754	27	54.39055	90.676	0.2865	203.9432				
6405	HD 94818	PM	K0			10	57.190177	28	56.282067	90.676	0.2301	116.5722	-30.53			
6406	L 344-172	PM				18	9.7257121	-47	-20.50026	90.676	0.1776	159.9356				
6407	NLTT 20259	PM				8	48.224162	22	6.8451985	90.676	0.2626	106.9294				
6408	UCAC3 183-131276	PM	M2V			16	22.107452	1	1.2598918	90.676	0.0901	72.6864	-50.42			
6409	UCAC4 405-098112	PM				18	55.183507	-9	-3.564216	90.676	0.1962	40.6850				
6410	G 63-3	PM	M3			13	8.8423835	16	22.063937	90.702	0.3251	250.8422	17.48			
6411	HD 183877	PM	G8VFe-1CH-0.5			19	32.6722	-28	-1.188545	90.702	0.4379	174.4409	-42.48			
6412	HD 200505	PM	K2Vk:			21	7.7653672	-67	-55.21894	90.702	0.1395	118.2805	-41.5			
6413	UCAC4 629-050950	RotV				16	27.626148	35	41.717345	90.702	0.0415	91.9970				
6414	2MASS J06213640+3222390	PM				6	21.606934	32	22.64302	90.727	0.1162	161.7277				
6415	HD 128020	PM	F8.5VFe-0.6			14	37.770943	-67	-55.9206	90.727	0.2601	231.0718	-30.26			
6416	HD 144087	PM	K1(V)			16	4.4321001	-11	-26.96295	90.727	0.0381	250.1369	-31.79			
6417	V* GR Leo	BY Draconis variable	G5V			11	57.482201	19	59.034174	90.727	0.2273	82.0891	5.29			
6418	2MASS J18200295-3828225	PM				18	20.049434	-38	-28.37113	90.752	0.4189	204.5397				
6419	G 134-63		M5V			2	59.772167	38	55.605	90.752	0.1461	110.0221	26			
6420	GJ 3396 (LP 205-44)	Flare star	M5.84		14.60121255	6	31.845643	41	29.758041	90.752	0.1212	181.7184	28.94			Aurigae
6421	StKM 1-291	PM	M1.0Ve			2	41.983419	43	34.323607	90.752	0.0315	239.1389	-40.01			
6422	2MASS J22402347+4355095	PM				22	40.391315	43	55.158225	90.777	0.2509	173.9467				

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
6423	G 30-50	PM				0	9.7547194	9	44.912186	90.777	0.2150	115.1913				
6424	LHS 505	PM				21	11.963	-31	-3.251667	90.777	0.6085	125.7020				
6425	Wolf 409	PM	M0.5Ve			12	22.354557	25	10.197392	90.777	0.4208	253.5348	25.11			
6426	G 24-8	PM	M3.0			20	11.111053	-2	-30.17149	90.803	0.1733	288.1064				
6427	LSPM J1002+6349	low-mass	M8V			10	2.2034603	63	49.436231	90.803	0.3182	251.7323	33			
6428	LSPM J1204+0224	PM				12	4.7722757	2	24.015587	90.803	0.1193	89.1189				
6429	2MASS J02104520-6622262	PM Red & White dwarf stars Subasavage 2004				2	10.752137	-66	-22.44246	90.828	0.4397	304.0593				
6430	HD 45289	PM	G2V			6	24.405841	-42	-50.85108	90.828	0.4544	5.6669	56.45			
6431	LP 4-203	PM	M3			6	18.739894	83	25.293193	90.828	0.1591	149.7475				
6432	TYC 8615-1313-1	PM				11	3.9320433	-52	-58.64376	90.828	0.1081	69.0839	22.23			
6433	TYC 8677-1894-1	PM				14	9.871016	-59	-59.17817	90.828	0.0951	114.6781	91.55			
6434	LAWD 16	HotSubdwarf	sdB(+F?)			3	43.79033	-51	-25.27591	90.853	0.2281	183.1991				
6435	LHS 5326	PM				17	16.690529	87	13.495669	90.853	0.2786	50.9939				
6436	G 206-16	PM				18	11.871037	32	25.342012	90.879	0.2093	25.2007				
6437	HD 144088	PM	K1(V)			16	4.4453138	-11	-26.99256	90.904	0.0349	250.1856	-32.09			
6438	NLTT 46103	PM				18	11.925476	32	25.786761	90.904	0.2091	25.4202				
6439	Ross 276	PM				22	31.882902	0	15.144613	90.904	0.1980	92.6152				
6440	UCAC4 573-057686	PM				17	3.4090835	24	33.55402	90.955	0.0871	356.4911				
6441	2MASS J17533261-7403464	PM				17	53.543688	-74	-3.772476	90.980	0.1027	197.6526				
6442	HD 217065	PM	K6Vk			22	58.104422	-13	-38.55264	90.980	0.1919	173.5073	10.02			
6443	LP 606-12	PM				8	49.95805	-1	-56.20629	90.980	0.1218	153.6595				
6444	LSPM J2138+3305	PM				21	38.07325	33	5.0397674	90.980	0.0845	172.6321	-45.38			
6445	EGGR 342	White dwarf	DA8.4			6	53.444718	64	3.7007653	91.006	0.2444	198.4991				
6446	epsilon Scl		F1V	K1V	3.1	1	45.646107	-25	-3.15691	91.006	0.1010	106.5877	13.1			Sculptoris
6447	G 246-33	PM	M4.0V			3	19.481308	61	56.063183	91.006	0.1728	130.7686	15.4			
6448	LP 671-46	PM				10	55.087287	-9	-12.69121	91.006	0.1356	169.8877				
6449	LSPM J1614+0906	PM				16	14.410024	9	6.0651423	91.006	0.2228	178.8886				
6450	G 241-25	PM				22	50.599014	61	46.162535	91.031	0.1542	93.6974				
6451	LHS 2868	PM	M5V			14	8.8369118	73	16.493737	91.031	0.3339	230.7702	-39.4			
6452	LHS 3025	PM				15	7.9486945	-8	-27.26068	91.031	0.3055	183.6442				
6453	LHS 3162	PM				16	10.603486	9	47.262831	91.031	0.3419	179.6224				
6454	LP 152-14	PM	M6.0			1	42.252303	48	45.714877	91.031	0.2000	99.6520				
6455	LP 353-74	PM	M0V			2	24.768413	25	58.571503	91.031	0.1148	207.1164	-14.29			
6456	LSPM J1809+2259	PM				18	9.2225928	22	59.627578	91.031	0.1268	339.7699				
6457	2MASS J08585232+2104344	LPV	M2.5			8	58.872166	21	4.5700341	91.056	0.2115	151.1403				
6458	2MASS J09061310+0328021	Star				9	6.2185121	3	28.037104	91.056	0.0228	259.3945				
6459	epsilon Scl B	PM	K1V			1	45.648584	-25	-3.079817	91.056	0.0845	107.6688				Sculptoris
6460	G 44-19	PM	M3.5V			10	27.827469	2	51.619319	91.056	0.3116	256.6125				
6461	HD 114747	PM	K2III-IV			13	12.905057	-30	-42.70531	91.056	0.1489	53.5798	-15.56			
6462	LSPM J0530+1503	PM				5	30.491677	15	3.6094659	91.056	0.1415	137.2229				
6463	LSPM J2104+0212	PM				21	4.5926393	2	12.015989	91.056	0.1804	183.0932				
6464	CE 54	PM	M6			8	55.181173	-26	-10.81685	91.082	0.2890	139.2314				

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
6465	G 227-43	PM	M2.0Ve			18	40.59052	59	30.82203	91.082	0.1798	328.9939				
6466	LP 265-83	PM				11	37.605822	37	42.402612	91.082	0.2199	238.8988				
6467	LP 895-21	PM				6	36.813974	-27	-27.80251	91.082	0.2651	42.8799				
6468	UCAC3 176-120719	PM				11	49.504592	-2	-19.21104	91.082	0.0524	128.2499				
6469	BD+22 4725	PM	K5V			22	52.041987	23	24.794297	91.107	0.1177	139.4485	-7.32			
6470	G 187-16	White dwarf	DA7.8			21	2.2010987	24	57.606229	91.107	0.2195	308.4431				
6471	LHS 2314	PM	M6			10	49.056561	5	2.3805262	91.107	0.3458	214.4120				
6472	LP 792-53	PM				11	19.379885	-19	-0.496588	91.107	0.1347	268.6862	-14			
6473	UCAC3 51-391660	PM				19	54.069146	-64	-38.16799	91.107	0.1676	143.2618	-6.53			
6474	SCR J1101-1153	PM				11	1.5133804	-11	-53.26729	91.158	0.1106	51.2419				
6475	HD 100203 (HIP 56290)		F8V		3.26	11	32.345618	61	4.9510767	91.184	0.0567	189.7309	-48.3			Ursae Majoris
6476	2MASS J00550470-3052005	Brown dwarf	M7.2V			0	55.07818	-30	-52.01642	91.184	0.1777	192.1078				
6477	HD 26581	PM	K0			4	15.540111	58	31.336471	91.184	0.1659	139.6336	23.47			
6478	LHS 3000	PM				14	55.827387	3	21.704283	91.184	0.3321	197.4676				
6479	LSPM J1945+5428	PM				19	45.927282	54	28.808842	91.184	0.1476	324.2231				
6480	UCAC3 169-23	PM				0	0.5798076	-5	-33.1231	91.184	0.1163	288.1308	15.91			
6481	2MASSI J1434582-233557	Brown dwarf	M7			14	34.969248	-23	-35.95864	91.209	0.1930	265.0513				
6482	CD-35 3073	PM	K4+Vk:			6	41.661468	-35	-33.22197	91.209	0.1198	271.7290	40.92			
6483	LHS 1742	PM				5	10.523318	31	17.589316	91.209	0.3761	110.0524				
6484	UCAC3 111-148082	PM				13	8.7580736	-34	-34.03803	91.209	0.0751	118.0371	63.56			
6485	G 273-34	PM	M3.0			23	24.484229	-18	-31.24341	91.261	0.1399	203.0664	-6.98			
6486	LHS 2439	PM	M2.0Ve			11	40.49464	77	4.3147982	91.261	0.3157	89.3427	-28.02			
6487	SCR J0735-2424	PM				7	35.400758	-24	-24.14779	91.261	0.1156	48.9558				
6488	UCAC4 179-002956	PM				3	21.446344	-54	-13.95808	91.261	0.0630	25.6634	15.93			
6489	BD+29 2654	PM	K4/5V			15	19.352553	29	12.370457	91.286	0.2443	19.6339	-25.66			
6490	COROT-102799176	Star	G0IV			6	45.928672	-3	-9.874565	91.286	0.0043	304.1558	38.35			Monocerotis
6491	G 138-69	PM				16	55.43718	12	26.270491	91.286	0.1609	160.2465	-9.9			
6492	LP 431-32	PM				10	54.007942	16	6.0951676	91.286	0.2564	234.2049	23.93			
6493	LP 724-16	PM	M2.5V			8	2.5487117	-13	-5.483727	91.286	0.1845	150.0194	2.48			
6494	LP 914-41	PM				15	3.2207365	-28	-40.22975	91.286	0.1393	208.8346				
6495	LSPM J1334+3303	PM				13	34.486577	33	3.072947	91.286	0.3829	266.8521				
6496	NLTT 46160	PM				18	15.898112	-33	-47.78692	91.286	0.2109	144.3460	-22.39			
6497	UCAC4 564-053644	PM	M4.5V			15	47.678609	22	41.276138	91.286	0.1078	259.3838	-19.95			
6498	2MASS J22010456+2413016	PM				22	1.0762245	24	13.028382	91.312	0.0449	108.7409				
6499	G 159-30	PM	K7V			2	3.503854	-4	-54.68766	91.312	0.1328	150.0794	5.58			
6500	LHS 1671	PM	M4.24			4	27.892239	11	46.913268	91.312	0.3451	146.9318	5.89			
6501	2MASS J03282609-0537361	PM	M4			3	28.434975	-5	-37.60547	91.337	0.0723	99.0587				
6502	2MASS J11582484+1354456	PM	M9			11	58.413908	13	54.767112	91.337	0.1172	31.2790				
6503	G 270-70	PM	M3.5			0	47.299772	-6	-28.63996	91.337	0.2079	214.1261				
6504	LP 402-58	PM	M7			23	36.732425	21	53.648227	91.337	0.1314	99.0005				
6505	2MASS J12220144-2310523	PM				12	22.023956	-23	-10.87673	91.363	0.0788	216.0149				
6506	2MASS J18224433-0928198	PM red / white dwarf stars Subasavage 2005	M			18	22.738851	-9	-28.33378	91.388	0.3078	197.8096				

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
6507	LHS 6425	PM				23	36.129406	38	31.653867	91.388	0.2654	131.0993				
6508	LSPM J1119+0820	low-mass	M8V			11	19.774466	8	20.596601	91.388	0.2978	133.4308	-45			
6509	G 164-25	PM	M			12	51.066391	29	17.944308	91.414	0.1591	74.4011				
6510	G 19207	PM	M2.0Ve			4	42.390399	20	46.571305	91.414	0.1740	277.8037	29.36			
6511	Ross 310	PM	K7			0	11.35283	58	20.995207	91.414	0.1333	275.2767	-11.42			
6512	UCAC4 545-005351	PM	M3.0			2	51.867375	18	50.365039	91.414	0.1095	166.5833	28.79			
6513	2MASS J12282944-2733514	PM	M2.5			12	28.4905	-27	-33.85632	91.440	0.0751	51.7843	-11.86			
6514	NLTT 35270	PM	M5V			13	48.152772	4	29.283581	91.440	0.1020	248.4646	-21			
6515	UCAC3 75-191421	PM				13	43.487726	-52	-49.86133	91.440	0.0597	152.1375	17.58			
6516	UCAC3 92-66285	PM				8	42.359688	-44	-15.0517	91.440	0.0572	285.3369				
6517	LP 218-84	PM				13	21.635187	39	59.815929	91.465	0.1257	266.6570				
6518	UCAC3 117-122537	PM				9	26.887648	-31	-57.25187	91.465	0.1669	123.4995	1.83			
6519	EPIC 202068262	PM				6	42.829403	26	37.066375	91.491	0.1491	197.5790	84.42			
6520	G 32-38	PM	M4.5V			0	39.563327	14	54.583831	91.491	0.1881	274.3857	18.46			
6521	HD 148303	PM	K2.5V			16	28.354618	-31	-7.849537	91.491	0.0974	194.7933	-32.23			
6522	HD 37216	PM	G5V			5	39.872455	52	53.849222	91.491	0.0832	184.4853	11.3			
6523	LP 1035-50	PM				23	41.484651	-38	-27.95944	91.491	0.2641	141.7700				
6524	CD-40 14067	SB	K6.5Vk:			20	52.273003	-39	-59.84416	91.517	0.1194	140.8208	-4.79			
6525	LP 709-50	PM				2	11.59418	-11	-53.52192	91.517	0.1184	217.1745				
6526	LP 917-25	PM	M2			16	20.626959	-30	-39.67571	91.517	0.1353	8.7249	99.28			
6527	SCR J1532-3622	PM red / white dwarf stars Subasavage 2005				15	32.231604	-36	-22.51448	91.517	0.2554	236.8957				
6528	UCAC3 117-140993	PM				11	2.6000351	-31	-57.06678	91.517	0.0608	338.3920	8.02			
6529	2MASS J06300923-6740561	PM				6	30.154106	-67	-40.92785	91.543	0.2926	353.0129				
6530	L 268-56	PM				17	10.692829	-52	-6.674977	91.543	0.1363	209.2711				
6531	LHS 1965	PM				7	59.252104	87	57.797394	91.543	0.3212	211.9012				
6532	LP 64-283	PM	M4.5			12	33.768343	65	0.082458	91.543	0.1159	266.7855				
6533	LSPM J1919+4527	PM				19	19.603784	45	27.725849	91.543	0.1926	19.2102				
6534	LSPM J2027+2555	PM				20	27.248996	25	55.304623	91.543	0.2203	97.6512				
6535	NLTT 26626	PM	M5V			11	12.643961	3	38.759423	91.543	0.1401	98.2300	50			
6536	BD+24 32	PM	K5			0	21.266797	25	31.455403	91.568	0.0302	280.6114	-22.14			
6537	G 245-78	PM				3	37.926949	77	46.128449	91.568	0.2015	282.1409				
6538	LP 760-37	PM				22	34.185458	-10	-20.2278	91.568	0.1604	113.0720	187.23			
6539	PG 1131+614	Hot M Sub-dwarf high metallic: Titanium & Calcium	sdB			11	34.744067	61	8.444659	91.568	0.0424	184.6443				
6540	2MASS J06420329-4933562	PM				6	42.055009	-49	-33.93618	91.594	0.1099	219.5667				
6541	2MASS J11083181+1545524	PM				11	8.5305818	15	45.859564	91.594	0.2357	158.0442				
6542	2MASS J18521683+5257195	PM	M8			18	52.280645	52	57.315614	91.594	0.2083	174.5957				
6543	BD-22 2311	PM	K7V			8	32.555257	-23	-23.1097	91.594	0.0894	47.7016	25.08			
6544	G 262-18	PM	M3.5			20	33.997589	64	19.167967	91.594	0.2571	253.3417				
6545	HD 146464	BY Draconis variable	K3Ve			16	19.264223	-55	-30.28407	91.594	0.0112	342.8866	2			
6546	LP 600-8	PM	M4.5			6	20.255778	0	23.652908	91.594	0.0734	200.9214				
6547	LP 754-44	PM				20	17.936574	-12	-46.65741	91.594	0.2212	184.9500				

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
6548	LP 896-28	PM				7	1.1384909	-32	-12.62939	91.594	0.1036	247.8751				
6549	LSPM J1718+3642	PM				17	18.931048	36	42.401037	91.594	0.2288	167.0341				
6550	G 145-36	PM				21	21.961118	15	49.65782	91.620	0.1984	94.6333				
6551	LP 466-156	PM M Sub-dwarf high metallic: Titanium & Calcium	sdM4			0	59.271793	13	51.601477	91.620	0.1057	349.9937				
6552	LP 84-34	PM	M2.5V			4	36.97438	59	21.998189	91.620	0.1110	135.0212	12.78			
6553	SDSS J130116.98+411240.4	Candidate_Brown dwarf				13	1.2827343	41	12.675542	91.620	0.0360	96.6794				
6554	UCAC4 615-104915	PM				20	35.324159	32	48.741537	91.620	0.1279	57.1730	10.64			
6555	HD 47252	PM	K0.5V			6	31.945569	-68	-42.59181	91.646	0.2638	187.2368	42.96			
6556	LHS 1171	PM	M3			0	58.751	-31	-27.24526	91.646	0.3728	132.2481				
6557	LHS 3377	PM	M2			18	19.354671	-5	-46.45195	91.646	0.3170	137.3909				
6558	NLTT 44801	PM				17	26.597341	20	31.428399	91.646	0.1212	73.3773				
6559	UCAC4 625-130911	PM	M4.0V			23	42.368676	34	58.460751	91.646	0.0880	153.1295	16.41			
6560	HD 120491	PM	K4.5V			13	51.098043	-53	-44.10045	91.671	0.1337	251.9710	19.53			
6561	L 810-58	PM	K9Vk:			5	48.285639	-11	-8.077238	91.671	0.2540	30.8890	95.69			
6562	LP 442-53	PM				15	27.424634	17	31.543821	91.671	0.1074	174.9212				
6563	LSPM J1539+2831	PM				15	39.820498	28	31.49618	91.671	0.0951	254.1681				
6564	LSPM J2003+4752	PM				20	3.9974278	47	52.021264	91.671	0.2139	218.0532				
6565	2MASSI J1337311+493836	Brown dwarf	M9V			13	37.519419	49	38.611188	91.697	0.0460	322.7759	-33			
6566	LSPM J1005+3759	PM				10	5.8292082	37	59.072089	91.697	0.3023	249.3611				
6567	V* DP Cam	EB	K7			4	50.418166	63	19.976854	91.697	0.1720	132.3915	59.22			
6568	LSPM J0424+3044	PM				4	24.337936	30	44.571377	91.723	0.1348	216.5356				
6569	GSC 01995-00610	PM	M			13	6.0009506	26	22.661827	91.749	0.0795	150.2391				
6570	HD 195034 (HIP 100963)	PM Solar Twin	G5			20	28.196926	22	7.7394501	91.749	0.1424	185.3290	-0.86			Vulpeculae
6571	BD+44 1040	PM	K5			4	52.22236	44	58.451749	91.775	0.0622	37.8594	-9.92			
6572	CD-32 14988	PM	M0.5Vk			19	15.025085	-32	-24.99565	91.775	0.2259	101.5831	-4.43			
6573	HD 29231	PM	G9V			4	34.641614	-35	-39.48314	91.775	0.1433	204.1286	-9.79			
6574	L 454-4	PM				7	0.3111203	-36	-41.76912	91.775	0.1565	177.3572	-3.43			
6575	LP 230-38	PM				19	17.092978	40	7.3864378	91.775	0.1221	195.7134	21.46			
6576	LP 780-22	PM				6	38.475956	-18	-32.96801	91.775	0.1861	139.3333				
6577	LP 786-41	PM	M6V			8	48.315385	-20	-19.18273	91.775	0.3683	150.5633				
6578	zeta Aqr	B	F2	F1	2.6	22	28.831781		-1.19657	91.775	0.1104	285.3928	25.3			Aquarii
6579	SCR J2043-6501	PM				20	43.17328	-65	-1.289608	91.801	0.3011	170.6520				
6580	UCAC3 172-253526	PM	M2Ve			21	8.74685	-4	-25.30308	91.801	0.0314	262.6299				
6581	BD+34 5013	PM	K4V			23	49.482503	35	39.851035	91.826	0.1480	110.2827	-11.8			
6582	GJ 3653	Flare	M0.5V			11	15.900469	55	19.843993	91.826	0.1166	242.8107	-7.6			
6583	HD 52456	Star	K2V			7	1.5927148	6	55.610559	91.826	0.0240	47.7303	-11.84			
6584	HD 96692	PM	K5+V			11	8.5293708	15	46.057069	91.826	0.2366	157.6486	103.92			
6585	LHS 2420	PM	M2.5Ve			11	31.547654	2	13.716373	91.826	0.4613	229.9612	93			
6586	GSC 05525-00243	PM	M3.5			12	6.3685532	-13	-14.93287	91.852	0.0737	127.1265	-8.12			
6587	HD 144840	PM	K2.5V			16	8.4081221	-13	-8.13007	91.852	0.1699	192.1894	-37.72			
6588	LHS 2586	PM	M3			12	36.381072	-4	-22.6588	91.852	0.2923	254.0030	56.6			
6589	LHS 3112	PM				15	45.908503	-4	-48.38136	91.852	0.3490	242.0271				

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
6590	LP 634-24	PM	M0V			20	18.763144	0	39.439301	91.852	0.1297	251.4443	2.02			
6591	LP 722-17	PM				7	17.589131	-12	-27.60997	91.852	0.2117	166.1650				
6592	TYC 3016-577-1	PM	M1.0Ve			11	53.383196	43	2.9524076	91.852	0.1031	107.8772	1.17			
6593	UCAC3 105-439481	PM				23	27.478256	-37	-54.19203	91.852	0.1903	274.1196	18.02			
6594	2MASS J06205178+3145134	PM				6	20.862989	31	45.21008	91.878	0.2529	189.1455	83.61			
6595	UCAC4 334-049530	PM				8	32.497851	-23	-23.35492	91.878	0.0874	48.4985				
6596	Wolf 438	PM				12	48.000476	9	40.135237	91.878	0.4588	268.2913				
6597	2MASS J01550359-3432449	PM				1	55.06001	-34	-32.75151	91.904	0.0839	144.4791	72.14			
6598	HD 113415 (106 G. Vir)		F8	?	3.29	13	3.7685995	-20	0.00981	91.904	0.0832	272.1152	26.8			Virginis
6599	LSPM J1252+0252	low-mass	M8V			12	52.377151	2	52.099141	91.904	0.1693	171.7948	21			
6600	PG 1157+004	White dwarf	DA			11	59.867444	0	7.864422	91.904	0.0450	119.7570				
6601	StKM 1-896	Star	K5			10	54.818824	-4	-32.51088	91.904	0.0171	210.2797				
6602	UCAC4 375-025694	PM				7	14.113105	-15	-4.166223	91.904	0.1144	40.1284				
6603	2MASS J03303511-0025346	Brown dwarf	L2			3	30.585761	0	25.582474	91.930	0.3021	132.3013	-63			
6604	2MASS J07583247-3945317	Brown dwarf				7	58.541346	-39	-45.53101	91.930	0.1026	170.8845				
6605	Ross 24	PM	M1.0Ve			3	58.604678	52	1.4185067	91.930	0.2500	120.1371	0.15			
6606	Ross 83	PM	M1.5			9	25.591536	18	40.280504	91.930	0.3041	235.5100				
6607	UCAC4 149-002104	PM	M4			2	22.735897	-60	-22.79385	91.930	0.0823	94.6419	13.1			
6608	BD+07 3922	PM	M0.5Ve			18	59.643441	7	59.235273	91.956	0.2377	116.3242	-83.87			
6609	HD 31675	PM	F6V:			5	2.8406311	66	49.378393	91.956	0.1992	168.6831	15.89			
6610	HR 6269		G2IV-V			16	53.419958	-20	-24.94669	91.956	0.0091	54.3713	-21.39			
6611	2MASS J14322472-4906400	PM				14	32.412252	-49	-6.664884	91.982	0.4427	235.9358				
6612	UCAC4 545-065756	PM				17	51.754516	18	51.578086	91.982	0.0672	30.6163	-24.08			
6613	UCAC4 684-128563	PM				23	29.513999	46	44.312018	91.982	0.0926	125.3295				
6614	WT 2133	PM				15	9.1799098	-5	-31.5166	91.982	0.1372	188.7954	-8.38			
6615	eta Dra Aldhibain	(Aldhibain) B	G8 III	dwarf	0.9	16	23.991432	61	30.852832	91.982	0.0346	16.6392	-15.2			Draconis
6616	LEHPM 5707	PM				23	19.362015	-42	-44.71767	92.008	0.0926	142.9195				
6617	LP 818-59	PM				21	55.789972	-17	-21.45292	92.008	0.1321	138.1333				
6618	UCAC3 102-10475	PM				4	29.07726	-39	-23.27621	92.008	0.0605	214.1792	-0.62			
6619	2MASS J09434389-0229570	PM				9	43.731163	-2	-29.95093	92.034	0.2201	79.5077				
6620	LP 437-81	PM	M5V			13	26.966519	15	5.71816	92.034	0.1522	206.0750	-7			
6621	LP 754-50	PM	M0Vk			20	12.157564	-12	-53.58981	92.034	0.1590	135.1971	27.53			
6622	LP 773-43	PM				3	50.533587	-15	-24.29323	92.034	0.1206	208.6992				
6623	NLTT 42058	PM				16	8.4081386	-13	-7.878736	92.034	0.1689	191.5516	-36.71			
6624	UCAC4 048-009247	PM				11	16.955005	-80	-27.87004	92.034	0.0839	76.3213				
6625	UCAC4 727-044198	PM	M2.5V			8	28.31355	55	22.703799	92.034	0.0619	199.4112				
6626	Xi2 Cap	Pec	F7VFe-0.5			20	12.431177	-12	-37.04989	92.034	0.1598	135.5677	27.3			Capricorni
6627	2MASS J20160578-1158367	PM				20	16.096175	-11	-58.61975	92.060	0.0888	207.6386				
6628	HD 13808	PM	K2V			2	12.715426	-53	-44.63354	92.060	0.0653	73.9860	40.9			
6629	L 66-18	PM				11	20.504225	-71	-24.74241	92.060	0.2791	64.6311	-45.02			
6630	LP 694-36	PM				20	13.845192	-4	-26.2512	92.060	0.1742	200.9352				
6631	LP 908-25	PM	M4			12	9.9013825	-29	-20.25898	92.060	0.1487	134.0160				
6632	NLTT 19378	PM				8	23.615165	64	13.631711	92.060	0.2401	230.8613				

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
6633	HD 217924	SB	G0V			23	3.84328	21	35.895861	92.086	0.0487	206.6447	18.17			
6634	2MASS J02552243-2044490	PM				2	55.373908	-20	-44.8189	92.112	0.0776	101.5320				
6635	GJ 4285 (LHS 3836)	PM	M3.5		12.28658667	22	38.048378	-65	-50.14782	92.112	0.4069	118.8252				Tucanae
6636	HAT 268-03024	RotV				7	47.664953	20	35.633947	92.112	0.0413	70.4686	7.38			
6637	LP 833-33	PM				4	4.0845826	-26	-13.31371	92.112	0.2183	285.4897				
6638	NLTT 17409	PM	M5V			7	6.6747193	26	24.998618	92.112	0.0925	203.3940	30			
6639	pi PsA	Cepheid	F1VFe-0.8			23	3.4969422	-34	-44.96471	92.112	0.0645	318.9440	-6			Piscis Austrini
6640	PM J14244-3534W	PM	M2.0			14	24.426168	-35	-34.63178	92.112	0.2116	186.7431				
6641	SCR J1046-4146	PM				10	46.766674	-41	-46.64742	92.112	0.1457	122.4487				
6642	UPM J1025-6853	PM				10	25.727081	-68	-53.12822	92.112	0.1439	263.1250				
6643	2MASS J00410878-5344191	PM				0	41.146497	-53	-44.31654	92.138	0.1427	180.5769	33.15			
6644	G 270-12	PM	M2.5V			0	35.634554	-10	-4.308074	92.138	0.1188	250.7555				
6645	HD 164595	PM	G2V			18	0.6482443	29	34.315375	92.138	0.1294	38.7302	2.07			
6646	UCAC3 38-166650	PM				18	55.245433	-71	-15.04167	92.138	0.1473	190.5637				
6647	UCAC4 481-063956	PM				17	8.8396337	6	11.156332	92.138	0.0826	227.5260	-55.72			
6648	111 Her	PM	A5III			18	47.020541	18	10.890635	92.164	0.0894	319.1661	-44.6			Herculis
6649	2MASS J15285099-2232120	Star	K5			15	28.850053	-22	-32.20018	92.164	0.0057	279.7116	-9.81			
6650	G 168-35	PM	M3.5			16	12.042588	31	58.792401	92.164	0.1627	262.1293				
6651	HD 186788	PM	G5			19	44.795191	42	1.6057011	92.164	0.0986	188.9697	-49.19			
6652	UCAC3 177-124702	PM	M3.5V			12	36.868879	-1	-59.01357	92.164	0.1001	246.7139	21.97			
6653	UCAC4 180-186681	PM				16	51.337325	-54	-6.50549	92.164	0.1097	187.0909				
6654	Wolf 222	PM				3	45.197221	19	40.434751	92.164	0.1348	119.8241				
6655	2MASS J05410486-4250318	PM				5	41.081006	-42	-50.53015	92.190	0.0861	339.8209				
6656	HD 150706	has an unconfirmed planet	G3V			16	31.293056	79	47.386658	92.190	0.0749	132.5085	-17.13	1	0.3	Ursae Minoris
6657	LP 316-604	PM	M3			10	44.87798	32	24.693946	92.190	0.1315	264.8269				
6658	phi 01 Pav	PM	F0V			20	35.580822	-60	-34.90517	92.190	0.1151	159.1973	-20			Pavonis
6659	UCAC3 90-147774	PM				12	49.907431	-45	-5.031854	92.190	0.1088	229.2799	3.06			
6660	UCAC4 687-042941	PM	M4.5V			6	7.5309124	47	12.439343	92.190	0.1118	168.6659	0			
6661	G 85-49	PM				5	11.679855	26	58.037149	92.216	0.1474	128.8980				
6662	LP 588-1	PM				1	31.603608	0	58.001387	92.216	0.1536	96.2911				
6663	LSPM J1842+6751	PM				18	42.408648	67	51.74901	92.216	0.1143	293.1909				
6664	LSPM J2329+4644N	PM				23	29.515361	46	44.495799	92.216	0.0907	120.9970				
6665	TYC 3934-314-1	PM				19	43.871338	53	58.816013	92.216	0.0466	168.1698	-24.92			
6666	2MASS J16120327+3158454	PM				16	12.053804	31	58.755792	92.242	0.1634	261.3997				
6667	2MASS J19133990+0544046	PM				19	13.665131	5	44.077109	92.242	0.1437	193.4630				
6668	2MASS J19471471-7646553	PM				19	47.245074	-76	-46.9215	92.242	0.1341	135.3569				
6669	2MASSW J1018588-290953	Brown dwarf	L0.3V			10	18.979554	-29	-9.894222	92.242	0.2105	255.2517				
6670	BD+03 3032	PM	K5V			15	27.711633	2	35.86537	92.242	0.0320	250.2071	-42.5			
6671	DENIS J104731.1-181558	Brown dwarf	L0.3V			10	47.517664	-18	-15.95752	92.242	0.2139	82.7848				
6672	HD 164595B	RotV	M2.5V			18	0.7571492	29	33.945813	92.242	0.1284	38.1963	2.4			
6673	UCAC2 17185902	PM				4	51.25117	-34	-25.12134	92.242	0.0340	327.4237				
6674	2MASS J09312823+0528223	Brown dwarf	M8V			9	31.470557	5	28.371866	92.268	0.1370	212.5194	25			
6675	2MASS J20343769+0827009	Brown dwarf	L1			20	34.628179	8	27.019665	92.268	0.2946	189.8584				

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
6676	HD 207897	PM	K0			21	40.746374	84	20.009382	92.268	0.2041	280.3505	-6.55			
6677	HD 42505	PM	K4Vk:			6	6.7305837	-62	-40.95657	92.268	0.1092	340.1671	23.9			
6678	LP 92-279	PM				10	47.450458	61	8.8822909	92.268	0.1168	220.9769				
6679	GJ 3928 (G180-11)		M4V		13.49893914	15	55.529733	35	12.047333	92.295	0.1612	57.2275	-15.5			Coronae Borealis
6680	BD+49 2004	RotV	K7V			10	58.395458	48	17.285699	92.295	0.0664	149.0362	-1.99			
6681	G 43288	PM				3	51.257836	7	49.645989	92.295	0.2458	161.2425				
6682	HD 182807		F7V			19	25.4293	24	54.766472	92.295	0.3811	195.6472	-2.06			Vulpeculae
6683	HD 54359	PM	K2V			7	8.1551084	-9	-58.12225	92.295	0.1179	82.1930	26.53			
6684	LP 498-66	White dwarf	DC9			13	49.038167	11	55.256667	92.295	0.3288	161.8536				
6685	LP 696-13	PM				20	53.396451	-4	-16.59651	92.295	0.2801	155.6551				
6686	LP 909-5	PM				12	29.75335	-28	-47.61086	92.295	0.2068	263.9189				
6687	LTT 5684	PM	M3.0			14	24.440076	-35	-34.56973	92.295	0.2159	186.4459				
6688	PM J09181-4437	PM				9	18.143222	-44	-37.40416	92.295	0.2867	50.0530				
6689	UCAC4 439-025089	PM	M3.0V			7	0.9964713	-2	-21.55051	92.295	0.0398	41.1219				
6690	UCAC4 445-057351	PM				13	59.019324	-1	-9.602499	92.295	0.0482	266.5070				
6691	2MASS J21533977+2950053	Brown dwarf	M8.8V			21	53.663101	29	50.088848	92.321	0.2484	272.6274				
6692	DENIS J083813.2-530211	PM				8	38.219708	-53	-2.191018	92.321	0.3066	76.6088				
6693	HD 172555	PM	A7V			18	45.448344	-64	-52.27545	92.321	0.0893	167.9450	2			
6694	LHS 1499	PM	M4V			3	8.3952647	43	2.1419119	92.321	0.3058	135.8368	15			
6695	V* PW And	RSCVn	K2V			0	18.34816	30	57.368792	92.321	0.1298	140.0756	-11			
6696	Wolf 397	PM	M0:			11	28.46245	7	31.036694	92.321	0.7275	192.5722	39.5			
6697	2MASS J12084952+3021010	PM				12	8.8253732	30	21.015814	92.347	0.0545	106.7778	-10.44			
6698	HD 2071	PM	G2V			0	24.709142	-53	-59.03994	92.373	0.1235	97.5671	6.64			
6699	LP 329-20	PM	M2.5			16	1.8767454	30	27.582079	92.373	0.1111	46.9135				
6700	LP 473-26	PM				3	46.992675	15	24.28197	92.373	0.1287	97.0446				
6701	Wolf 1409	PM	K5			18	7.8566245	52	47.91052	92.373	0.2337	259.7576	-91.74			
6702	2MASS J01562686-5015344	PM				1	56.447735	-50	-15.57438	92.399	0.1065	106.8127				
6703	38 Cas	SB	F6V			1	31.229229	70	15.877215	92.399	0.0925	120.0605	9.81			Cassiopeiae
6704	CD-47 14002	PM				21	59.138298	-46	-45.78768	92.399	0.0861	178.6932	33.25			
6705	HD 108153	PM	K2V			12	25.308427	31	51.855406	92.399	0.2480	236.0873	-31.1			
6706	HD 224022	PM	G0V			23	54.643687	-40	-18.0037	92.399	0.2143	274.8051	-9.04			
6707	LP 132-165	PM	M3.5			13	21.71419	54	15.714233	92.399	0.1986	281.1589				
6708	LP 725-34	PM				8	35.031862	-11	-28.0149	92.399	0.0990	278.0529				
6709	LSPM J1415+5927W	PM				14	15.699316	59	27.455388	92.399	0.1102	241.8012	-16.75			
6710	G 171-5	PM	M1.0Ve			23	35.741232	41	58.06381	92.426	0.4178	282.2962	-24.09			
6711	SCR J1724-3727	PM				17	24.116145	-37	-27.87716	92.452	0.1340	207.9475	-11.69			
6712	UCAC3 272-96051	PM	M1.0Ve			6	30.625725	45	39.360374	92.452	0.0765	47.9279	31.04			
6713	CD-51 11572	PM	K6+V			18	27.595907	-51	-3.615523	92.478	0.1115	38.6576	35.67			
6714	CPD-64 4178	PM	K6.5V			21	53.045372	-64	-13.04467	92.478	0.0620	100.7665	-12.38			Indi
6715	G 221-6	PM	M1:V			3	12.724347	71	16.314518	92.478	0.1802	139.8445	-10.42			
6716	LHS 2911	PM				14	24.269314	-20	-44.97927	92.478	0.3282	183.0196	72.2			
6717	LSPM J0314+5319	PM				3	14.843377	53	19.397382	92.478	0.1556	129.7422				
6718	SSSPM J0231-4122	PM	M8.5			2	31.371173	-41	-21.84761	92.478	0.2105	113.0450				

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
6719	UCAC4 248-184370	PM	M3.0			19	51.599262	-40	-25.34921	92.478	0.1191	164.2476				
6720	ksi Sco (51 Lib)	B C D E F	F5 IV	F8V, ?, K0, K0, ?		16	4.36833	-11	-22.38333	92.500	0.0700		-32.19		0.036	Scorpii
6721	2MASSI J0010001-203112	Brown dwarf	M8.8:V			0	10.001737	-20	-31.20371	92.504	0.0673	273.0496				
6722	BD-13 718	PM	K5V			3	43.10332	-12	-53.66036	92.504	0.1387	82.7307	-52.43			
6723	LP 325-24	PM	M4.5			14	20.608011	31	30.073334	92.504	0.1285	253.7500				
6724	LP 785-7	PM				8	25.552406	-20	-21.0376	92.504	0.1103	195.9532				
6725	LP 816-38	PM				21	1.5300823	-16	-53.55576	92.504	0.1630	107.9603	-36.49			
6726	LSPM J0927+0137	PM				9	27.984936	1	37.491615	92.504	0.1488	266.1227				
6727	TYC 1382-1588-1	PM				8	17.133601	17	17.943198	92.504	0.0915	134.7146	-22.7			
6728	TYC 7277-1290-1	PM				13	31.373333	-36	-11.56868	92.504	0.0353	196.5604	8.04			
6729	2MUCD 20866	Brown dwarf	L2.5			20	28.339311	0	52.441852	92.531	0.0505	94.1748				
6730	SDSS J000636.38-090603.0	Candidate_Brown dwarf				0	6.6066756	-9	-6.050647	92.531	0.0990	87.3057				
6731	UCAC4 453-052468	PM				11	42.788341	0	29.702471	92.531	0.0487	104.0417				
6732	UCAC4 663-109095	PM				22	10.470684	42	24.185119	92.531	0.1182	124.6322	-35.48			
6733	289 G. Pup (q Pup)	PM	A8V			8	18.555229	-36	-39.55773	92.557	0.0876	47.4886	6.4			Puppis
6734	2MASS J20364425-0847138	PM				20	36.738126	-8	-47.23367	92.557	0.2374	109.0807				
6735	G 43152	PM	M1.5Ve			1	7.8705063	12	52.863141	92.557	0.1612	94.6873				
6736	UCAC4 476-112194	PM				19	53.570742	5	3.6785839	92.557	0.0833	134.8390	57.97			
6737	2MASS J22414436-6119311	PM				22	41.739523	-61	-19.51892	92.583	0.1013	120.3304				
6738	37 Lib	PM	K1III-IV			15	34.178414	-10	-3.872073	92.583	0.2238	127.5013	49.25			Librae
6739	CD-37 7614	PM	M0V			12	2.2191901	-38	-0.480368	92.583	0.1636	208.4693	-2.93			
6740	G 127-22	PM	M4			22	22.847736	28	1.7912399	92.583	0.2344	99.8473	-6.78			
6741	2MASS J02333897+2125137	White dwarf	DC			2	33.649698	21	25.221531	92.609	0.1344	164.5985				
6742	2MASS J07081519-3818111	PM	M5.5			7	8.2532374	-38	-18.18132	92.609	0.1344	33.5869				Puppis
6743	G 41-30	PM				9	17.124733	20	7.9057033	92.609	0.2541	231.8926				
6744	LHS 6042	PM				2	10.817294	33	59.679893	92.609	0.2493	232.3819				
6745	TYC 178-2187-1	PM	M0.5Ve			7	31.214366	0	33.235432	92.609	0.0588	102.8186	25.59			
6746	[BHR2005] 213-8	low-mass	M5V			10	9.880347	49	2.5972972	92.636	0.0374	213.0752	3			
6747	2MASS J09384022-2748184	Brown dwarf	M8:			9	38.67061	-27	-48.3076	92.636	0.2609	247.1277				
6748	beta Cir	PM	A3Va			15	17.514146	-58	-48.07231	92.636	0.0973	215.3183	9.6			Circini
6749	G 193-39	PM	M0V			7	14.075127	50	43.553255	92.636	0.1741	205.8249	33.15			
6750	LP 467-17	PM	M5.5V			1	12.001104	15	2.2754264	92.636	0.2089	152.3766				
6751	G 188-40	PM				22	5.765162	26	0.2562315	92.662	0.2339	94.5108				
6752	LP 160-10	PM				6	16.780509	49	46.200032	92.662	0.2381	281.7777				
6753	LP 97-674	PM	M3V			14	15.708035	59	27.503661	92.662	0.1073	247.0686	-15.68			
6754	LSPM J1051+0253N	PM				10	51.795099	2	53.722218	92.662	0.2018	260.7280				
6755	UCAC4 871-003969	PM				7	59.293896	84	1.3814709	92.662	0.0654	309.4268				
6756	BD-12 525	PM	M1V			2	48.108857	-11	-45.78976	92.688	0.1324	196.6800	30.58			
6757	LSPM J1206+7328	PM				12	6.1156393	73	28.975452	92.688	0.1283	54.6250				
6758	HD 17155	PM	K4V			2	43.570241	-46	-27.29235	92.715	0.3091	171.9389	33.92			
6759	nu Ind	B	G9V	Fe-3.1CH-1.5		22	24.614759	-72	-15.32491	92.715	0.8538	117.3292	32.51			Indi
6760	TYC 305-215-1	Star				13	17.693605	6	14.565036	92.715	0.0188	174.5457	31.02			
6761	UCAC4 850-009336	PM	M2.0Ve			10	27.387062	79	59.851452	92.715	0.0654	232.8627	4.48			

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
6762	2MASS J11574809-4844428	Brown dwarf	M9.4V			11	57.801537	-48	-44.71408	92.741	0.0393	254.6938				
6763	BD+01 3236	Star	K5			16	27.339892	0	55.494725	92.741	0.0198	43.7838	-14.65			
6764	CD-24 5005	PM	M0			7	12.080149	-24	-53.52487	92.741	0.0666	267.7030	41.62			
6765	HD 219495	PM	K4Vk			23	17.289281	-66	-56.27398	92.741	0.3141	138.9108	66.67			
6766	HD 3795	PM	K0VFe-1.5CH-1.3			0	40.546593	-23	-48.29532	92.741	0.4373	117.5276	-45.77			
6767	UCAC2 43903859	RotV				1	1.6705242	34	59.216936	92.768	0.1902	222.2887				
6768	UCAC4 482-059103	PM	M3.0V			16	18.082137	6	17.184557	92.768	0.0541	308.9344	-13.23			
6769	G 105-23	PM M Sub-dwarf high metallic: Titanium & Calcium	sdM2.0			6	14.0245	15	9.9516667	92.794	0.8392	148.3483	392.5			
6770	G 161-78	PM	M3.0			9	50.80538	-9	-7.167823	92.794	0.1407	202.2311				
6771	G 179-27	PM				15	21.922295	34	4.0253319	92.794	0.2020	58.7485				
6772	LHS 2879	PM	M3.5			14	12.697627	-13	-40.58567	92.794	0.4498	237.4792	87.05			
6773	2MASS J04100550-5350131	PM				4	10.091596	-53	-50.21646	92.821	0.1722	321.6333				
6774	EM* StHA 182		M4.1V+M3.7V			20	43.6857	-24	-33.8865	92.821	0.0502	134.0608	-6.1			
6775	HD 109409	PM	G3IV			12	34.706561	-44	-40.38113	92.821	0.1283	200.3966	18.2			
6776	LHS 2748	PM	M3.5			13	31.999867	66	36.012742	92.821	0.3440	59.4974				
6777	LP 411-16	PM	M			2	53.051861	19	29.124141	92.821	0.1116	263.2367				
6778	LP 442-52	PM				15	27.148904	14	27.640486	92.821	0.1338	133.1834				
6779	LP 674-14	PM				12	6.5436407	-6	-54.30907	92.821	0.2547	262.2254				
6780	LSPM J0121+2337	PM				1	21.048506	23	37.789202	92.821	0.2452	115.8169				
6781	LSPM J1051+0253S	PM				10	51.792951	2	53.672861	92.821	0.2061	260.8538				
6782	2MASS J07313756-0954505	PM red / white dwarf stars Subasavage 2005				7	31.626034	-9	-54.85007	92.847	0.2651	177.1217				
6783	2MASS J22414366-6119393	PM				22	41.728009	-61	-19.65477	92.847	0.1003	117.5523				
6784	BD+33 3433	PM	K6V			19	22.3656	33	53.1014	92.847	0.4278	350.0171	-70.88			
6785	G 250-4	PM				6	30.955465	67	21.293799	92.847	0.2156	171.8118				
6786	GSC 03665-00665	PM	M2.5Ve			0	20.79597	59	36.290213	92.847	0.0684	192.6578	14.61			
6787	LSPM J1237+0804	PM				12	37.393365	8	4.6049958	92.847	0.2244	78.0998				
6788	SCR 0234-8204	PM Red & White dwarf stars Subasavage 2004	M			2	34.738	-82	-4.421667	92.853	0.6180	333.3000				
6789	2MASS J12492353-2035592	low-mass	M2			12	49.392214	-20	-35.98683	92.873	0.0552	248.4416				
6790	2MASS J23420242-7841226	PM				23	42.038445	-78	-41.3762	92.873	0.3211	273.0945				
6791	UCAC3 107-139826	PM				12	17.791004	-36	-44.83214	92.873	0.0682	122.5649	-7.96			
6792	Wolf 341	PM	M3.5			10	3.0316724	34	33.322462	92.873	0.1205	212.7186				
6793	G 151-9	PM				14	54.971312	-11	-23.35434	92.900	0.2479	173.7852	105.43			
6794	LP 1034-88	PM				23	15.92306	-39	-19.4235	92.900	0.2406	195.0600				
6795	G 203-39	White dwarf	DA			16	59.598681	44	25.724175	92.926	0.2234	230.0908				
6796	LP 247-56	PM	M5			3	38.310225	38	28.92532	92.926	0.1813	207.2654				
6797	HD 216054	PM	G9V			22	50.17545	-41	-29.40638	92.953	0.2450	240.3594	20.93			
6798	UCAC3 230-34230	PM				5	16.378588	24	45.388049	92.953	0.0628	163.9160				
6799	UCAC4 581-000742	PM				0	18.621997	26	3.0947237	92.953	0.0922	239.2914				
6800	UCAC4 815-013356	PM	M3.0V			5	45.64655	72	55.21252	92.953	0.0812	324.3991				
6801	Wolf 1451	PM				5	29.846049	-5	-41.99303	92.953	0.1711	111.1123	53.19			

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
6802	CD-31 1415	PM				3	29.163892	-31	-21.78268	92.979	0.0910	285.0089	36.77			
6803	HD 93083	PM	K2IV-V			10	44.348585	-33	-34.62144	92.979	0.1037	211.3436	43.38			
6804	LHS 1536	PM	M4.5			3	21.092711	-5	-26.59044	92.979	0.4462	189.1245				
6805	SCR J0740-0722	PM				7	40.683922	-7	-22.64476	93.006	0.2241	217.2255				
6806	L 288-49	PM	M0V			23	41.72628	-51	-56.62029	93.033	0.1485	186.6852	35.61			
6807	LP 267-311	White dwarf	DC			12	54.191784	36	20.974102	93.033	0.2376	266.7888				
6808	Wolf 327	PM				9	53.51514	35	34.278662	93.033	0.1151	206.3700				
6809	G 43171	PM				1	42.046612	14	21.59486	93.059	0.1907	235.4667				
6810	HD 226099	SB	G5			19	50.682201	34	57.003721	93.059	0.2197	302.3035	6.46			
6811	LP 642-18	PM				23	11.091827	0	23.536749	93.059	0.1240	152.7750	-6.56			
6812	phi Hya	PM	K2-IIIFe-0.5			14	6.3716752	-26	-40.94326	93.059	0.0822	162.9998	27.2			Hydri
6813	TYC 848-660-1	Star				11	4.3234143	8	58.263453	93.059	0.0043	220.7960	0.95			
6814	2MASS J13313310+3407583	Brown dwarf	L1			13	31.551796	34	7.9702724	93.086	0.2383	243.4865	-42			
6815	G 260-37	PM				19	57.967646	64	57.070538	93.086	0.1138	5.1637				
6816	LHS 1218	PM				1	14.6725	44	28.775	93.086	0.5317	94.0000				
6817	LP 324-42	PM	M4.0			13	58.750033	31	40.298667	93.086	0.1405	65.0261				
6818	LP 406-58	PM				1	3.2180115	15	56.296813	93.086	0.2198	95.8267				
6819	LSPM J0555+0124	Em	M5V			5	55.514498	1	24.195172	93.086	0.0958	182.7650	31.2			
6820	LTT 4866	PM				12	44.626137	-41	-55.63555	93.086	0.2146	260.3230	84.71			
6821	2MASS J23211254-1326282	Brown dwarf	L1			23	21.209436	-13	-26.47042	93.112	0.3298	106.6361				
6822	HD 80367	PM	K0V			9	19.471875	0	53.823647	93.112	0.1084	227.5598	51.06			
6823	LHS 3123	PM	M3.0			15	49.612372	0	17.81637	93.112	0.3561	220.6569				
6824	HD 3141	PM	K0IV			0	35.01445	42	41.686453	93.139	0.1064	246.5389	0.59			
6825	LSPM J0319+0130	PM				3	19.156338	1	30.904884	93.139	0.1058	7.5139				
6826	5 Pup		F5+...		3.08	7	47.945306	-12	-11.56234	93.166	0.0767	54.1894	27.2			Puppis
6827	BD+16 120	PM	K7V			1	8.6726516	17	14.556005	93.166	0.3415	185.7603	-56.53			
6828	LHS 3086	PM				15	34.82747	-7	-24.28457	93.166	0.3563	232.1572				
6829	LP 74-35	PM	M2.0Ve			20	54.907604	67	35.132245	93.166	0.1155	306.1947	-12.74			
6830	LSPM J1944+0147	PM				19	44.235639	1	47.891607	93.166	0.2713	200.2274				
6831	TYC 3395-1122-1	PM				6	59.33678	47	35.969574	93.166	0.0682	172.7060	29.57			
6832	2MASS J19332750-3424288	PM	M5.0			19	33.458796	-34	-24.48777	93.192	0.2051	148.7170				
6833	G 215-23	PM				21	55.229975	42	51.800434	93.192	0.1881	291.9001				
6834	HD 3222	PM	K2V			0	35.046976	-63	-41.71079	93.192	0.5982	120.2103	3.48			
6835	UCAC4 534-051996	PM				11	52.341979	16	40.32017	93.192	0.0728	229.3570				
6836	Wolf 1129	PM	M3.5V			20	4.7908237	51	13.281662	93.192	0.3211	335.3884	-51.4			
6837	HD 192139	PM	G5			20	9.9915612	61	28.450935	93.219	0.1385	35.8606	25.91			
6838	LHS 3756	PM	M2.5			22	5.9069105	-38	-16.0944	93.219	0.4488	131.5896	-46.25			
6839	UCAC4 518-058062	PM				15	10.45072	13	28.026176	93.219	0.0700	122.7336				
6840	UCAC4 815-013362	PM	M2.5V			5	45.828901	72	54.119865	93.219	0.0811	324.9403				
6841	G 100-57	PM	M2.5			6	4.6585356	27	53.867348	93.246	0.2197	174.8957				
6842	HD 39071	PM	K1/2V			5	49.376291	-17	-34.73341	93.246	0.0603	12.2663	4.08			
6843	LSPM J1718+2625	PM				17	18.29135	26	25.903315	93.246	0.1421	53.8798				
6844	omega And	B Red dwarf	F4 IV	dwarf		1	27.656352	45	24.40122	93.246	0.2176	107.1933	12.4			Andromedae

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
6845	UCAC2 43434119	PM	M0.5Ve			7	16.201305	33	15.260061	93.246	0.1158	203.8712				
6846	UPM J1732-4700	PM				17	32.284081	-47	-0.8383	93.246	0.1033	195.1703				
6847	G 16072	PM	M4V:			1	2.6026181	3	50.836112	93.272	0.2243	275.9747				
6848	LP 854-32	PM				13	12.527548	-27	-2.379466	93.272	0.1339	226.3430	6.44			
6849	2MASS J21501324-6610366	Brown dwarf	M9			21	50.220734	-66	-10.61072	93.299	0.0543	56.6445				
6850	BPM 88721	PM	K6V			13	4.6213906	13	21.242726	93.299	0.0871	124.9290	6.09			
6851	CD-24 1458	PM	K4V			3	8.4278223	-24	-10.05537	93.299	0.0967	184.7431	15.93			
6852	G 34-8	PM				1	11.391211	16	48.51895	93.299	0.2455	127.9109				
6853	LHS 3743	PM				22	1.1871774	27	9.7017741	93.299	0.3644	93.0433				
6854	LP 176-23	PM				15	17.245521	48	28.910635	93.299	0.1315	157.4553				
6855	LP 378-6	PM	M1			5	40.043173	-40	-11.22796	93.299	0.2242	26.5855	50.48			
6856	UCAC3 66-14986	Star				6	5.8339134	-57	-18.19136	93.299	0.0186	151.7479				
6857	UCAC4 562-134083	PM				22	0.8645454	22	14.683518	93.299	0.0802	141.0934				
6858	BPM 10388	PM	K6+Vk:			16	49.709664	-65	-4.564674	93.326	0.0766	145.4931	8.82			
6859	L 836-122	Flare				14	14.283419	-15	-21.21291	93.326	0.1343	211.3538				
6860	LHS 2820	PM	M1.5Ve			13	52.833951	65	37.328426	93.326	0.3291	257.4772	-53.77			
6861	LP 995-48	PM	M3			3	36.111311	-40	-59.9013	93.326	0.3112	207.0022				
6862	UCAC4 350-080518	PM				16	20.697679	-20	-5.236173	93.326	0.1125	234.0896				
6863	BD+04 2470	PM	M0.0Ve			11	27.642856	3	58.597908	93.352	0.0572	82.0222	-2.67			
6864	LHS 3774	PM				22	12.71538	64	21.199238	93.352	0.3436	305.0793				
6865	CD-52 9466		K7.0			20	21.181704	-51	-47.46513	93.379	0.0606	9.5671				
6866	LEHPM 5712	PM				23	19.635056	-64	-58.82556	93.379	0.4048	146.8476				
6867	LP 493-52	PM				11	47.142917	12	5.8344677	93.379	0.1046	77.5547				
6868	LP 740-47	PM				14	43.302814	-14	-37.25525	93.379	0.1509	240.3216				
6869	StKM 109210	PM	M1.5Ve			0	3.3167017	4	41.215862	93.379	0.0513	196.9951	-5.95			
6870	HD 33725	PM	G9V			5	11.904147	-9	-6.789367	93.406	0.3276	187.2304	4.72			
6871	V* V430 Pup	BY Draconis variable				8	15.668291	-26	-0.59306	93.406	0.1735	129.9677	12.47			
6872	WISE J154803.74-581055.5		M3.5 D			15	48.073196	-58	-10.89138	93.423	0.3205	247.4737	0			
6873	2MASS J11510246-3611457	PM				11	51.04108	-36	-11.76326	93.433	0.0934	249.9285				
6874	2MASSW J1411175+393636	Brown dwarf	L1.5V			14	11.28981	39	36.606582	93.433	0.5426	83.1566	-72			
6875	beta CrB Nusakan	Variable Star of alpha 2 Cvn type	F2VpSrCrEuSi			15	27.829319	29	6.337149	93.433	0.1356	62.3092	-26.9			Coronae Borealis
6876	LHS 3676	PM	M4.68			21	27.792321	55	5.5629919	93.433	0.3062	291.8598	-33.14			
6877	LP 733-24	PM	M3			11	48.323378	-11	-17.23866	93.433	0.4268	266.6301				
6878	29 Ari	SB	F8V			2	32.902367	15	2.0718377	93.460	0.0316	22.2668	9.1			Arietis
6879	UCAC4 083-024708	PM				11	34.923829	-73	-30.57569	93.460	0.1032	263.8622				
6880	2MASS J02074284+0000564	Brown dwarf	T4.5			2	7.7141667	0	0.94	93.486	0.0907	96.2590				
6881	CD-34 7135	PM	M0.5Vk			11	0.0462893	-35	-6.61028	93.486	0.1482	146.6527				
6882	G 266-123	PM				0	29.977856	-24	-38.44334	93.486	0.2405	281.7441	-9.99			
6883	GSC 02299-00901	RotV	M6			1	13.850444	35	5.3694078	93.486	0.0723	217.8080				
6884	SCR 0525-7425	PM Red & White dwarf stars Subasavage 2004	M			5	25.759333	-74	-25.43167	93.505	0.4170	40.2000				
6885	G 50-29	PM				8	20.216234	9	20.254379	93.513	0.2476	201.9366				

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
6886	HD 17379	PM	K0			2	49.335972	53	1.3830322	93.513	0.1222	168.1889	-26.65			
6887	HD 237266	PM	K2V			4	28.611244	56	25.220707	93.513	0.0678	310.3553				
6888	G 179-30		K5V			15	27.631034	42	53.385045	93.540	0.1447	187.1851	-12.89			
6889	HD 184860B	PM	K7V			19	36.757356	-10	-26.53083	93.540	0.2315	228.0122	0			
6890	HD 59984B	PM	K5Ve			7	32.12073	-8	-53.03312	93.540	0.1113	208.5135	56.4			
6891	LSPM J1951+1720	PM				19	51.584659	17	20.933098	93.540	0.1580	117.7383				
6892	NLTT 35377	PM				13	49.707718	10	32.407172	93.540	0.1331	21.0915	3.25			
6893	V* EG UMa	White dwarf	DA3.3			12	15.734966	52	31.0215	93.540	0.0931	214.4242				
6894	DENIS J084834.9-785352	PM	M5V			8	48.581164	-78	-53.85596	93.567	0.2243	17.3977				
6895	G 32-37	PM	M4.0V			0	39.559128	14	54.317769	93.567	0.1940	275.9847	-6.03			
6896	LHS 5137	PM				8	28.119395	42	16.968177	93.567	0.3004	220.5721				
6897	LP 678-7	PM				13	35.744134	-8	-44.46212	93.567	0.2563	140.5548				
6898	MCC 645	PM	M0.0Ve			12	19.801043	52	46.750005	93.567	0.1220	234.4935	-3.9			
6899	2MASS J07165156+2528292	PM				7	16.859476	25	28.487818	93.594	0.0990	22.6570				
6900	HD 218566	Orange met, b	K3V		6.187	23	9.178785	-2	-15.64468	93.594	0.3717	98.7738	-37.697	1	0.3	Piscium
6901	HD 38973	PM	G0V			5	46.46651	-53	-13.15949	93.594	0.0844	164.8133	-5.38			
6902	LP 298-33	PM	K7.5V			2	47.931223	28	42.73667	93.594	0.0960	85.8976	1.42			
6903	OGLE SMC115.5 319	PM				1	11.061146	-72	-27.68766	93.594	0.1869	122.0318				Tucanae
6904	UCAC3 294-128838	PM	M3.5V			17	52.049059	56	36.465463	93.594	0.0429	40.4939				
6905	UCAC4 492-045145	PM				7	43.451644	8	15.435243	93.594	0.0899	50.1219				
6906	UPM J1741-4536	PM				17	41.604778	-45	-36.274	93.594	0.1999	147.5340				
6907	2MASSI J1923381-330841	Brown dwarf	M8.5V			19	23.636827	-33	-8.705206	93.621	0.2312	168.4258				
6908	LP 873-74	PM	M0+V			21	32.349819	-20	-58.17023	93.621	0.1805	246.5787	33.62			
6909	UCAC4 598-003493	PM	M3.5			1	21.420379	29	26.23691	93.621	0.0660	168.4110				
6910	2MASS J22545194-2840253	Brown dwarf	L0.2V			22	54.865752	-28	-40.42403	93.648	0.0135	2.7038				
6911	BD+33 3339		K8			19	8.8989466	34	3.7344829	93.648	0.0595	54.4251	10.2			
6912	CE 296	White dwarf	DQ			13	3.4907448	-35	-51.41497	93.648	0.2261	240.3334				
6913	G 128-76	PM	M3			23	33.310904	27	14.36747	93.648	0.2005	274.0156				
6914	HD 204941	PM	K2V			21	32.391833	-20	-57.44533	93.648	0.1777	246.0018	32.57			
6915	HD 59984	PM	G0VFe-1.6CH-0.5			7	32.096052	-8	-52.87956	93.648	0.1114	208.7636	55.01			
6916	LHS 2473	PM	M:			11	54.311138	-34	-22.30023	93.648	0.4492	86.2022				
6917	LP 915-41	PM	M0.5			15	31.664471	-29	-16.47517	93.648	0.2549	202.8376	-7.4			
6918	LSPM J2134+2836	PM				21	34.916781	28	36.339637	93.648	0.0882	105.0413				
6919	LSPM J2157+7537	PM				21	57.73199	75	37.921913	93.648	0.1489	312.6844				
6920	UCAC4 563-025173	PM	M4.0V			6	10.296074	22	34.328116	93.648	0.0939	167.1171	-10.39			
6921	bet Cir B	Brown dwarf	L1.0			15	17.359925	-58	-51.49596	93.675	0.0968	213.8789	9.76			Circini
6922	HD 257886	PM	K2V			6	29.092164	27	0.5325933	93.675	0.2817	210.2351	-47.45			
6923	NLTT 20258	low-mass	M7V			8	48.278728	33	9.1483791	93.675	0.1524	252.9082	6			
6924	SCR J1511-3403	PM red / white dwarf stars Subasavage 2005				15	11.643836	-34	-3.277173	93.675	0.3265	202.9515				
6925	UCAC4 634-045191	PM	M3.5V			10	24.084387	36	39.541793	93.675	0.0855	187.6361				
6926	G 161-68	White dwarf	DA8.2			9	43.776894	-7	-3.812186	93.701	0.2529	186.7996				
6927	LP 728-73	PM				9	54.367237	-12	-52.79283	93.701	0.1006	40.1082				

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
6928	2MASS J17310397+3504074	PM				17	31.066074	35	4.126812	93.728	0.0994	27.8091				
6929	HD 44573	BY Draconis variable	K2.5Vk:			6	21.552105	-22	-12.88517	93.728	0.1400	173.9219	-31.41			
6930	LHS 3383	PM	M3			18	22.905853	-33	-20.59126	93.728	0.2940	155.7144				
6931	BD+54 1499B	BY Draconis variable	K0			12	11.446502	53	25.123334	93.755	0.1270	232.0914	-4.39			
6932	beta Cae	PM	F3IV			4	42.058038	-37	-8.659844	93.755	0.1158	346.4663	29.48			Caeli
6933	HD 139696	PM	K2.5Vk:			15	40.754201	-32	-51.98942	93.755	0.1106	226.1477	-24.08			
6934	UCAC4 595-047332	PM	M3.0V			10	35.954357	28	53.522221	93.755	0.0760	241.9022	8.7			
6935	HD 108510	PM	G1V_Fe-0.7			12	27.924811	-8	-40.67974	93.782	0.1305	260.5983	5.91			
6936	HD 284336	PM	K5			4	17.448957	20	33.29221	93.782	0.0423	213.9970	14.08			
6937	BD-13 1434	PM	M0IV			6	18.368702	-13	-52.1297	93.809	0.2016	349.3011	101.22			
6938	L 442-13	PM	M3			2	54.038347	-35	-54.882	93.809	0.3140	108.3113	36.2			
6939	LP 1032-116	PM	M4			22	21.828713	-42	-9.047665	93.809	0.3068	197.7140				
6940	LP 849-55	PM	M2.5			11	6.7627534	-22	-2.312743	93.809	0.2569	131.1234				
6941	Wolf 110	PM M Sub-dwarf high metallic: Titanium & Calcium	sdM0.0			2	2.869128	5	42.349231	93.809	1.4131	106.9397	34.71			
6942	2MASS J07292470-4258164	PM				7	29.411477	-42	-58.27088	93.836	0.2363	51.2232				Puppis
6943	LP 415-363	PM	M4.0V			4	20.799247	15	14.153433	93.836	0.1142	108.8135	38.28			
6944	LP 695-351	PM	M6			20	41.683537	-3	-33.89169	93.836	0.1019	116.6209				
6945	LP 97-259	PM	M1.0Ve			13	52.926798	56	36.33481	93.836	0.1228	157.9073	11.5			
6946	LSPM J0545+4738	PM				5	45.943368	47	38.852203	93.836	0.1614	216.2261				
6947	UCAC4 366-062713	PM				13	24.861123	-16	-50.22965	93.836	0.0703	171.2401				
6948	19 LMi	SB	F6V			9	57.684237	41	3.3378942	93.863	0.0693	257.4951	-9.8			Leonis Minoris
6949	EGGR 314	White dwarf	DA2.8			2	36.326092	52	44.206769	93.863	0.1406	133.3325				
6950	LHS 1514	PM				3	12.224394	22	1.2366288	93.863	0.4452	137.7942				
6951	LP 493-32	PM				11	40.352135	13	6.7730494	93.863	0.1145	47.9638				
6952	LP 815-3	PM	M3.0			20	20.740835	-15	-31.81399	93.863	0.2043	249.7228				
6953	LP 871-36	PM	M2.0			20	36.472785	-24	-0.315598	93.863	0.2374	225.3050				
6954	UCAC2 23039765	PM				0	2.6476075	-21	-48.56374	93.863	0.0341	23.2371				
6955	HD 32237	PM	G5			5	2.1638532	14	4.8937626	93.890	0.2413	167.9927	-27.03			
6956	LP 465-43	PM	M5V			0	33.372833	14	48.105	93.890	0.1669	104.3268	21.5			
6957	UCAC3 103-180478	PM				15	29.677323	-38	-32.47145	93.890	0.1610	225.8937				
6958	HD 173872		K2V			18	48.024346	-10	-8.778734	93.918	0.1199	147.8550	53.23			
6959	LP 357-206	PM	M5e			3	55.615579	21	18.804182	93.918	0.1249	106.3534				
6960	LP 676-58	White dwarf	DA			13	4.7728051	-5	-28.62672	93.918	0.1641	269.4283				
6961	G 150-18	PM				13	36.104055	26	47.581475	93.945	0.1704	269.1231				
6962	L 40-82	PM				13	55.696917	-77	-55.85819	93.945	0.2592	314.5182	76.2			
6963	TYC 2560-336-1	PM				14	43.793539	37	20.529665	93.945	0.0513	308.0725	-6.04			
6964	BD+30 331	PM	K6			2	5.8215019	30	47.032211	93.972	0.1160	241.2461	-10.47			
6965	G 267-63	PM	M2			0	16.335161	-31	-27.65628	93.972	0.2094	229.6419	22.44			
6966	LP 822-40	White dwarf	DA			23	15.506673	-14	-40.09461	93.972	0.1061	109.0777				
6967	LTT 4244	PM	M3.2			11	30.115384	-30	-42.73543	93.972	0.2246	262.1167	38.62			
6968	UCAC3 171-134829	PM				14	43.05638	-4	-43.75904	93.972	0.0614	309.0938	-4.74			
6969	UCAC4 603-021241	PM	M3.5V			5	22.342523	30	31.160411	93.972	0.0663	137.4346	0.48			

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
6970	LP 885-57	White dwarf	DC			2	24.537752	-28	-54.99097	93.999	0.2927	93.5177				
6971	UCAC4 469-041319	PM	M3.5V			9	20.181349	3	47.429281	93.999	0.0875	59.2940				
6972	V711 tau	RS CVn variable	G5IV/V +K1IV		3.51	3	36.7885		35.29	94.000						Tauri
6973	G 270-126	PM				1	3.6425946	-5	-22.86598	94.026	0.1029	334.1590				
6974	G 180-25	PM				16	4.2755935	40	9.3112297	94.053	0.2611	189.3498				
6975	HD 106549		K7Vk:			12	15.450913	-31	-5.641329	94.053	0.1168	107.7183				
6976	UCAC3 221-30478	Star	M2.5V			5	22.835484	20	16.603298	94.053	0.0267	291.6067	-12.05			
6977	G 23-22	PM				20	0.8959729	10	15.382525	94.080	0.2184	114.8977	-378.89			
6978	GD 348	White dwarf	DA5.1			15	37.740616	65	1.8124586	94.080	0.1188	35.0075	28			
6979	HD 117383		K5.5Vk:			13	30.60625	-42	-37.85418	94.080	0.1037	229.4571				
6980	2MASS J17361766+1346225	Brown dwarf	M4V			17	36.294302	13	46.379008	94.135	0.1479	190.5319				
6981	BBB SMC 84	PM	M5V			1	11.106684	-72	-27.6138	94.135	0.1836	121.6103				Tucanae
6982	BD+25 2037	PM	K5V			9	5.3074666	25	17.876143	94.135	0.2460	227.6822	-24.86			
6983	G 102-11	PM				5	33.385043	12	20.917553	94.135	0.1323	267.3557				
6984	HD 229513	PM	K0			18	47.687139	12	26.387868	94.135	0.0322	271.4887	14.49			
6985	G 232-63	PM				22	16.301175	56	31.757814	94.162	0.1663	336.3760				
6986	G 246-23	PM				3	6.4634987	62	54.64096	94.162	0.2753	130.5221				
6987	LP 895-18	White dwarf	DC			6	34.624895	-28	-34.34792	94.162	0.2926	129.3995				
6988	LSPM J0305+2600	PM				3	5.9729043	26	0.1398031	94.162	0.2414	203.9290				
6989	LSPM J0716+7936N	PM				7	16.080711	79	36.977234	94.162	0.0862	275.9175				
6990	HD 146124	Star	G8IV-V			16	16.884965	-49	-51.40512	94.189	0.0215	209.9234	10.99			
6991	LP 794-49	PM				12	18.63256	-20	-24.12766	94.189	0.1859	84.6122				
6992	LP 821-16	PM				22	46.39693	-16	-56.88233	94.189	0.1279	189.6747	14.13			
6993	Ross 303	PM	M1.5Ve			23	36.426748	55	29.726761	94.189	0.2905	100.9218	-12.61			
6994	UCAC4 230-183298	PM	M3.5			19	42.887675	-44	-6.465733	94.189	0.1355	124.5337				
6995	2MASS J05115901+1728481	PM				5	11.983574	17	28.80423	94.216	0.0316	161.9531				
6996	CD-36 3646	PM				7	28.390365	-36	-27.37629	94.216	0.1869	346.8493	64.64			Puppis
6997	L 344-155	PM				18	22.232843	-47	-1.587351	94.216	0.2044	136.8022				
6998	UCAC4 234-042698	PM	M			10	5.0520265	-43	-22.46948	94.216	0.3946	67.2621				
6999	BD+11 444	PM	K5			3	10.252795	12	3.0322693	94.244	0.1714	122.3184	39.13			
7000	GJ 3157	Flare	M4			2	25.640707	37	32.565043	94.244	0.1711	102.9990				
7001	HD 338030		M0			19	15.313791	24	53.824358	94.244	0.1892	312.3319	-71.44			
7002	2MASS J10170754+1308398	Brown dwarf	L1.5+L3			10	17.125852	13	8.6638465	94.271	0.0763	162.8049	-57			
7003	2MASS J19285196-4356256	Brown dwarf	L6			19	28.866436	-43	-56.42492	94.271	0.1665	170.5473				
7004	GJ 3641	RotV	M2V			11	5.5613946	45	0.5214215	94.271	0.1500	145.0468	-16			
7005	LHS 2529	PM				12	13.992173	29	34.577668	94.271	0.3086	218.3132				
7006	LP 735-46	PM				12	25.801426	-14	-2.765653	94.271	0.1172	87.9483				
7007	TYC 4647-2406-1	PM	M1.5Ve			16	25.974086	83	24.404921	94.271	0.0619	129.7502	-7.11			
7008	40 Cet	PM	G2V			1	16.983438	-2	-16.74952	94.298	0.1711	118.5022	5.98			Ceti
7009	BD+06 4450	PM	K8			20	8.4061109	6	40.724206	94.298	0.1401	314.8247	-33.9			
7010	BD+10 378	PM	M0			2	51.714324	10	38.700919	94.298	0.1045	220.6671	0.6			
7011	CD-28 1091	PM	M1.5+Vk:			3	17.585095	-27	-41.78947	94.298	0.1938	99.0564	36.23			
7012	HD 18168	PM	K3V			2	54.046452	-35	-54.28144	94.298	0.3165	108.6130	13.3			

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
7013	NLTT 44717	PM	MV			17	22.307123	59	50.064763	94.298	0.1068	254.5378	-2.91			
7014	NLTT 54552	PM				22	40.980203	17	36.679169	94.298	0.1028	275.4539	-58.01			
7015	TYC 6670-119-1	PM				11	58.858161	-25	-35.15045	94.298	0.0756	261.1818	49.14			
7016	UCAC4 368-057584	PM				10	5.2157259	-16	-32.51819	94.298	0.0754	233.2776	23.96			
7017	UPM J1232-4612	PM				12	32.774098	-46	-12.94225	94.298	0.1126	248.5803				
7018	lambda Gem Kebash Alkibash	(Kebash Alkibash)	A3 V			7	18.093333	16	32.416667	94.300						Geminorum
7019	2MASS J13322604-6621419	PM	M4			13	32.434185	-66	-21.69895	94.325	0.2143	53.3973				
7020	HD 290054	PM	K5.5V			5	14.802174	0	39.717998	94.325	0.2918	152.4641	12.76			
7021	SIPS J0058-0651	Brown dwarf	L0V			0	58.709134	-6	-51.40046	94.325	0.1148	130.4613				
7022	2MASS J19032843-5412110	PM				19	3.4736473	-54	-12.18269	94.353	0.1320	166.3315				
7023	G 16-21	PM				15	58.299579	6	5.7701017	94.353	0.1387	213.9166	-40.91			
7024	HD 166184	PM	K3/4V			18	9.53742	0	19.627766	94.353	0.0466	99.3522	-39.29			
7025	LP 264-44	PM	M4.0			11	22.604769	35	46.323387	94.353	0.1119	352.3638				
7026	UCAC2 15402289	PM				19	11.148872	-38	-43.02934	94.353	0.0795	126.3443	-20.7			
7027	2MASS J08441409-2924121	Brown dwarf	L4.0			8	44.234955	-29	-24.20737	94.380	0.2092	169.7073				
7028	2MASSI J0952219-192431	PM	M7Ve			9	52.364773	-19	-24.53688	94.380	0.0712	216.1323				
7029	BD+32 2274	PM	K7V			12	47.335261	31	12.81672	94.380	0.1431	173.8752	2.39			
7030	G 173-58	PM	M3.08			2	32.473588	53	13.772161	94.380	0.1579	20.2443	32.93			
7031	G 172-28	PM	M0V			0	53.887553	45	56.674209	94.407	0.1821	282.8364	-36.75			
7032	UCAC4 566-112181	RotV	M2.0V			20	38.239965	23	7.874388	94.407	0.0900	283.7898	-43.63			
7033	HD 111232	PM	G8VFe-1.0			12	48.862543	-68	-25.50912	94.435	0.0673	346.3567	104.55			
7034	LSPM J0232+5313E	PM				2	32.506372	53	13.843698	94.435	0.1587	20.1222				
7035	1 Hya C	low-mass	M5.5			8	24.873794	-3	-41.03159	94.462	0.1183	265.3333				Hydrae
7036	2MASS J22564446+0031191	PM				22	56.740696	0	31.323933	94.462	0.3595	137.9231				
7037	chi Leo	(variable)	F2III-IV			11	5.016667	7	20.166667	94.462	0.2022	262.1201	3.3			Leonis
7038	LHS 1252	PM	M6V			1	28.344259	2	11.309148	94.462	0.3575	109.1707				
7039	LHS 3898	PM	M1			23	7.7793089	-27	-54.38577	94.462	0.3987	100.0077	22.02			
7040	UCAC3 249-151383	PM	M4Ve			19	8.9421144	34	4.2408917	94.462	0.0589	51.0865				
7041	LP 164-8	PM				8	27.452244	47	40.871323	94.490	0.1484	92.5930				
7042	2MASS J21213394-2433226	PM	M5			21	21.565617	-24	-33.37751	94.517	0.0563	257.4535				
7043	HAT 163-01012	RotV	M1.5V			0	46.363925	35	22.204936	94.517	0.0705	209.6968				
7044	Ross 107	PM	M2V			10	55.836867	56	2.227271	94.517	0.3184	74.4721	13.8			
7045	UCAC3 189-117914	PM	M2.5V			15	48.046656	4	21.65428	94.517	0.0342	195.8409	-7.57			
7046	UCAC4 706-046696	PM				8	5.3261614	51	9.7906358	94.517	0.0445	231.9606				
7047	2MASS J16260302+2113132	Brown dwarf	L4.7:V			16	26.050375	21	13.221415	94.544	0.0889	151.2671	-6			
7048	LHS 2228	PM	M1V			10	11.153441	-82	-51.9614	94.572	0.3247	53.9467	36.79			
7049	LP 787-22	PM				9	19.12157	-21	-10.41035	94.572	0.1726	152.4924				
7050	LSPM J2153+1350	PM				21	53.941489	13	50.436924	94.572	0.2095	282.1870				
7051	Ross 43	PM				5	33.38309	12	21.254479	94.572	0.1325	265.6706	41.15			
7052	UCAC4 836-015498	PM				18	19.66292	77	6.415382	94.572	0.0412	317.9441				
7053	2MASS J00481260-6110305	PM				0	48.210118	-61	-10.50924	94.599	0.2242	135.2482				
7054	HD 132950	PM	K3+V			15	1.499572	15	52.133215	94.599	0.1505	156.6413	-1.97			
7055	HD 168874	PM	G2IV			18	20.820801	27	31.821292	94.599	0.0573	334.5941	-20.91			

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
7056	del Cas	EBAlgol	A5IV			1	25.815772	60	14.116732	94.627	0.1757	99.0740	6.7			Cassiopeiae
7057	UCAC3 115-120851	PM				9	36.025051	-32	-37.98188	94.627	0.0791	189.3997	-6.65			
7058	G 164-50	PM	M			13	11.547959	29	35.435438	94.654	0.2650	258.6826				
7059	G 181-8	PM				16	45.734818	36	5.8365662	94.654	0.2122	21.4236	-9.12			
7060	LP 278-44	PM				17	51.975142	36	10.984339	94.654	0.2016	227.6899				
7061	Ross 391	PM	M0			7	47.051484	-13	-56.31931	94.654	0.2985	166.4936	6.74			
7062	TYC 6502-549-1	PM				5	50.356601	-28	-8.81528	94.654	0.0668	253.1709	-1.69			
7063	UCAC4 282-092293	PM				16	36.973511	-33	-46.85189	94.654	0.1833	132.6660				
7064	CD-27 1462	PM	K7Ve			3	57.275563	-27	-12.77328	94.682	0.0580	312.7112	-10.78			
7065	G 39-24	PM	M1.5			4	34.265477	34	49.525983	94.682	0.2097	147.6591				
7066	HD 344502	PM	K5			19	30.091303	21	40.567168	94.682	0.1713	227.1962	10.95			
7067	2MASS J05233065-5607005	PM				5	23.511173	-56	-7.007895	94.709	0.4217	353.4251				
7068	2MASS J10210969-0304197	Brown dwarf	T1+T4			10	21.1615	-3	-4.33	94.709	0.1066	248.8952				
7069	2MASSW J0920122+351742	Brown dwarf	L5.5+L9			9	20.204	35	17.716667	94.709	0.1470	222.9145				
7070	LHS 5011	PM				0	33.963072	16	43.000693	94.709	0.2743	278.9475				
7071	LP 489-20	PM				10	4.4399231	9	25.904913	94.709	0.1437	64.1755				
7072	LP 762-36	PM				23	15.366558	-13	-46.31094	94.709	0.2304	132.8590				
7073	LP 264-36	PM				11	19.187588	35	37.81667	94.737	0.2376	211.0075				
7074	LP 523-47	PM				23	47.865758	15	47.947999	94.737	0.1853	235.8549				
7075	G 274-138B	PM				2	2.2921318	-26	-33.85715	94.764	0.2043	143.3777				
7076	HIP 88633	PM	M2			18	5.7989835	-48	-30.45522	94.764	0.0621	265.4782	13.16			
7077	LHS 1977	PM				8	4.3369429	15	1.7486283	94.764	0.2916	181.6682				
7078	LSPM J2143+0745	PM				21	43.164402	7	45.072456	94.764	0.2469	92.3649				
7079	LTT 9462	PM				23	17.424747	-40	-26.76235	94.764	0.1673	114.2830				
7080	2MASS J08292467-6203232	PM Red & White dwarf stars Subasavage 2004	M			8	29.411208	-62	-3.385952	94.792	0.3434	60.3807				
7081	2MASS J22355244+0418563	Candidate_Brown dwarf				22	35.874175	4	18.94167	94.792	0.1969	239.7684				
7082	LHS 1422	PM				2	35.485673	-25	-4.621321	94.792	0.4898	271.9733	40.4			
7083	LP 577-44	PM				21	25.769926	6	37.465983	94.792	0.1298	106.2155				
7084	BD+52 570	PM				2	21.205652	53	33.65069	94.820	0.1619	261.5799	-30.11			
7085	BD-09 3063	PM	K5.5V			10	24.249079	-10	-24.3522	94.820	0.2186	131.5062	-3.73			
7086	G 169-19	PM	M3.5V			16	36.505022	28	46.702711	94.820	0.2229	228.1952				
7087	G 69-6	PM				0	37.020158	29	10.147956	94.820	0.1623	237.4367	-20.56			
7088	GJ 3127	Flare	M3.5			2	0.7877247	-10	-21.34585	94.820	0.3034	225.6167	-19.18			
7089	HD 178076B	PM	K5V			19	8.5226997	-30	-58.48207	94.820	0.0338	139.6129	-26.5			
7090	LSPM J0939+7821	PM				9	39.184401	78	21.478125	94.820	0.5791	230.8598				
7091	UCAC3 83-16142	PM				5	58.209183	-48	-49.94669	94.820	0.0968	348.8774	23.46			
7092	V* DQ Tuc	BY Draconis variable				23	14.256324	-56	-50.86894	94.820	0.2830	238.5153	45.31			
7093	2MASS J21161051+0341294	PM				21	16.175194	3	41.49226	94.847	0.2655	120.8115				
7094	G 162-37	PM				10	16.594026	-11	-56.79932	94.847	0.1484	192.7650				
7095	G 164-36	PM	M			12	59.072755	31	59.233933	94.847	0.1693	60.1824				
7096	HD 61994	PM	G6V			7	47.508974	70	12.403304	94.847	0.1026	204.9103	-17.23			
7097	LHS 3911	PM				23	13.327402	-11	-6.302316	94.847	0.5007	103.8910				

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
7098	UCAC3 85-12675	PM				5	7.9961382	-47	-44.22714	94.847	0.0598	16.5368	17.17			
7099	UCAC4 712-117728	PM				23	53.37377	52	13.729046	94.847	0.1130	35.8111	-55.5			
7100	2MASS J13155111+4006086	PM	M4V			13	15.852352	40	6.1401094	94.875	0.0961	121.5143	11			
7101	G 234-39	PM	M0.0Ve			8	36.82687	69	49.282669	94.875	0.1873	180.9087	7.59			
7102	HD 205286	PM	K2			21	33.147354	40	49.458608	94.875	0.1130	135.0749	-11.17			
7103	HD 58595	PM	G5			7	28.176776	40	39.396075	94.875	0.0549	113.3373	16.28			
7104	LP 862-197	PM	M4			16	38.530487	-21	-14.13421	94.875	0.1628	106.7107				
7105	LP 885-22	White dwarf	DA			2	7.0382693	-30	-23.5429	94.875	0.1632	118.3626				
7106	LP 961-27	PM				11	41.161678	-38	-56.22226	94.875	0.1491	211.0323	-17.07			
7107	LSPM J1139+6528	PM				11	39.937354	65	28.030688	94.875	0.1199	130.7357				
7108	Ross 676	Flare	M0.4+M2.1			23	43.99158	64	44.48222	94.875	0.3222	279.4922	14.56			
7109	Wolf 1125	PM	M3			20	0.3403574	53	50.1777	94.875	0.1542	291.9444				
7110	G 142-46	PM	M2.0V			19	43.04543	10	12.66177	94.902	0.1259	162.6638	-26.22			
7111	G 170-50	PM	M3			17	33.731369	18	43.796178	94.902	0.4107	174.4600	42.33			
7112	HD 250268	PM	K4			6	0.8995476	21	1.259521	94.902	0.2107	185.3048	-2.1			
7113	LSPM J0604+4126	PM				6	4.5641102	41	26.7727	94.902	0.1168	155.9973				
7114	2MASS J20074137-3551464	PM				20	7.6892113	-35	-51.77661	94.930	0.2509	226.9774				
7115	70 G, HD 75289	Planet, B	F9VFe+0.3			8	47.673159	-41	-44.2076	94.930	0.1331	185.1413	9.35	1g	0.02	Velorum
7116	alpha Ind	PM	K0III-IV		1.1	20	37.567257	-47	-17.4905	94.930	0.0485	324.1312	-1.3		0.016	Indi
7117	G 249-11	PM				5	30.672644	68	54.132806	94.930	0.1783	146.5525				
7118	HD 199674	PM	K3V			21	0.0656444	-38	-43.22606	94.930	0.0555	307.1437	28.18			
7119	LHS 1529	PM				3	18.454725	-19	-59.42122	94.930	0.4221	125.8876				
7120	LP 854-28	PM				13	11.326737	-25	-35.19742	94.930	0.1355	135.1023				
7121	LSPM J1727+5200S	PM				17	27.784	52	0.0366101	94.930	0.1875	10.2000				
7122	SCR 1608-2913AB	PM red / white dwarf stars Subasavage 2005	M	M		16	8.7581667	-29	-13.11	94.930	0.5400	231.0000				
7123	SCR J1151-4142	PM				11	51.130416	-41	-42.28806	94.930	0.3956	251.0116				Centauri
7124	2MASS J06284343+0529140	PM	M7V			6	28.723951	5	29.232514	94.958	0.3192	139.7101	110			
7125	G 106-6	PM				5	52.673976	-3	-5.179323	94.958	0.2000	125.2825				
7126	G 123-15	PM				12	13.992806	39	10.158394	94.958	0.1669	178.0506	-22.16			
7127	G 134-68	PM	M3.5			3	4.5365459	43	18.428998	94.958	0.1240	175.7715				
7128	UCAC4 492-066501	PM				16	54.436887	8	18.22362	94.958	0.0431	251.3871				
7129	BD-14 3687	PM	K6V			13	18.097892	-14	-46.80074	94.985	0.2372	234.6653	11.96			
7130	EQ J2342+0856	RotV	T7.0			23	42.482267	8	56.335333	94.985	0.1567	101.2640				
7131	HD 222898	PM	K3Vk:			23	44.977183	-59	-25.12593	94.985	0.2380	101.1928	1.29			
7132	iota Boö A - Asellus Secundus	B	A7V	A2		14	16.165506	51	22.03388	94.985	0.1012	59.2866	-18.7			Boötis
7133	LHS 5171a	PM	M0.5			10	32.437122	60	12.160524	94.985	0.2605	220.7616	-4.89			
7134	LP 311-37	PM	M2.0Ve			8	36.444801	26	28.325363	94.985	0.1163	258.6405				
7135	UCAC3 192-64306	PM	M2.5V			6	59.692907	5	45.666072	94.985	0.0410	195.7077	11.37			
7136	UCAC4 828-018338	PM				18	29.594841	75	34.380001	94.985	0.0450	180.6308				
7137	2MASS J02575455+4111324	PM	M9			2	57.909728	41	11.536808	95.013	0.1916	118.2234				
7138	2MASS J19245241+0427240	PM				19	24.873536	4	27.398408	95.013	0.2302	186.2274				
7139	EGGR 161	White dwarf	DAP4.2			23	32.058683	26	58.768636	95.013	0.2591	273.7437				

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
7140	LP 287-35	White dwarf	DC?8			22	14.149009	37	27.22217	95.013	0.3091	217.1597				
7141	LP 445-8	PM				16	21.123602	15	4.5244046	95.013	0.1981	74.3764				
7142	LSPM J0650+1657	White dwarf	DA			6	50.613453	16	57.897719	95.013	0.1540	224.1619				
7143	HD 348282	PM	K7V			18	15.304938	18	29.999791	95.041	0.0453	319.9888	1.09			
7144	LP 666-24	PM				9	1.9759312	-6	-18.51781	95.041	0.1102	55.7176				
7145	UCAC4 691-046913	PM				7	47.54038	48	8.7274949	95.041	0.1013	207.7879				
7146	HD 186704	RotV	G0V			19	45.95567	4	14.906948	95.069	0.0446	98.6600	-6.67			
7147	NLTT 3994	PM				1	12.200552	5	41.44301	95.069	0.1336	146.2169				
7148	SDSS J142224.27+211607.5	PM	M8V			14	22.40397	21	16.12726	95.069	0.0571	96.6663	-4			
7149	UCAC4 759-047270	PM	M3.0V			17	24.665721	61	47.846197	95.069	0.0958	111.4283				
7150	WT 287	White dwarf	DA			10	26.355759	-38	-30.64707	95.069	0.2709	232.7516				
7151	2MASS J17274680+5200079	PM				17	27.779701	52	0.1375359	95.096	0.1870	10.4862				
7152	G 232-42	PM				21	57.584984	50	26.540808	95.096	0.1911	237.8882				
7153	LHS 1009	PM				0	3.1181598	6	16.654777	95.096	0.3293	154.9747				
7154	TYC 8662-250-1	PM				13	30.573052	-52	-59.68437	95.096	0.0636	100.9793				
7155	UCAC4 422-120673	PM	M3.5V			19	43.905674	-5	-46.60587	95.096	0.0361	277.7096	-63.97			
7156	UCAC4 700-117858	PM	M4.0V			22	50.917927	49	59.221064	95.096	0.0720	92.1804	7.38			
7157	G 100-46	PM	M4V			5	53.382809	22	12.829742	95.124	0.1493	139.4881	61			
7158	SDSS J081110.35+185527.9	PM				8	11.172937	18	55.468159	95.124	0.0534	258.7382				
7159	13 Peg		F2III-IV			21	50.1442	17	17.142742	95.152	0.0646	107.6076	-1.1			Pegasi
7160	G 171-61	PM	M1.5			0	32.003392	43	56.617364	95.152	0.2265	131.6246	-24.19			
7161	HD 240166	PM	K2V			23	2.2107604	58	15.246242	95.152	0.1803	211.7932	-36.32			
7162	HD 80355	PM	G5			9	21.050119	51	18.360539	95.152	0.0846	15.3274	-6.81			Ursae Majoris
7163	LEHPM 4821	PM				22	32.551663	-76	-56.32647	95.152	0.1282	139.0663				
7164	LSPM J1836+5514	PM				18	36.984062	55	14.962042	95.152	0.1936	255.0520				
7165	LSPM J2130+7445	PM				21	30.964012	74	45.933786	95.152	0.0962	1.6622				
7166	LSPM J2209+1738	PM				22	9.4692246	17	38.34252	95.152	0.0899	127.5410				
7167	2MASS J03171968-7722171	PM				3	17.328063	-77	-22.28434	95.180	0.0762	297.8797				
7168	2MASS J04181854+2213229	PM				4	18.308999	22	13.381232	95.180	0.0525	98.8923				
7169	49 Lib	SB	F8V			16	0.3268478	-16	-32.00914	95.180	0.4296	240.7548	-18.8			Librae
7170	HD 189806	PM	K2			20	0.7598567	32	57.00153	95.180	0.0799	308.4202	-26.25			
7171	LP 911-25	PM				13	30.964592	-28	-54.0443	95.180	0.2058	216.7091				
7172	TYC 6797-488-1	PM				16	17.918567	-25	-26.31955	95.180	0.0584	137.0888	31.29			
7173	UCAC4 127-001172	PM				1	11.385475	-64	-40.28227	95.180	0.0464	234.1785				
7174	UCAC4 701-056678	PM				15	41.60781	50	11.210362	95.180	0.0331	89.5481				
7175	WG 17	White dwarf	DA2.2			10	44.170604	-69	-18.30128	95.180	0.1704	86.8393	56			
7176	CD-47 14591	PM	K6+Vk:			23	29.573939	-47	-2.161645	95.207	0.1413	107.9916	0.95			
7177	UCAC4 363-089436	PM				17	20.873831	-17	-25.66315	95.207	0.1952	251.7345				
7178	G 133-40	PM				1	47.492493	34	13.153461	95.235	0.1323	148.9772	-16.41			
7179	G 173-61	PM	M3			2	36.451682	55	28.571476	95.235	0.2090	224.6005	-45.87			
7180	G 209-40	PM				20	42.886233	42	43.230265	95.235	0.1741	30.8045				
7181	LP 425-136	PM				8	33.551904	18	28.693428	95.235	0.2225	228.6297				
7182	LSPM J2304+2520	PM				23	4.7163991	25	20.826442	95.235	0.1053	228.1143				

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
7183	MCC 760	PM	K7/M0V			16	20.413019	-4	-16.03835	95.235	0.2424	267.1840	-121			
7184	2MASS J00102936-0746487	PM				0	10.489473	-7	-46.81599	95.263	0.0845	139.3704				
7185	CD-64 1208		K5Ve			18	45.61505	-64	-51.7885	95.263	0.1082	171.9962	1			
7186	HD 329666	PM	K7			17	15.958475	-44	-14.6569	95.263	0.0479	166.1220	-15.11			
7187	UCAC4 308-088023	PM				16	6.887022	-28	-34.16887	95.263	0.1373	210.6283				
7188	LHS 5231	PM	M4.0V			12	59.303798	0	10.562128	95.291	0.2715	161.9124	34.42			
7189	LSPM J0835+5406	PM				8	35.855534	54	6.9078227	95.291	0.1253	196.2703				
7190	LSPM J1715+0119	PM				17	15.395304	1	19.3637	95.291	0.2185	74.7481				
7191	G 36-17	PM				2	26.24773	31	1.7801116	95.319	0.1889	144.7954	-53.25			
7192	HD 15096	SB	G5			2	26.029144	5	46.772448	95.319	0.2473	292.4423	-10.01			
7193	SIPS J2014-2016	PM	M7.5			20	14.060688	-20	-16.36247	95.319	0.1079	107.6501				
7194	UCAC3 97-62778	PM				8	47.70436	-41	-44.12401	95.319	0.1338	183.4430				
7195	GSC 04361-00610	PM	M5e			7	55.889156	68	54.413707	95.347	0.0528	184.6308				
7196	HD 58781	PM	G5			7	27.846356	19	2.6876078	95.347	0.0799	120.9666	5.06			
7197	BD+85 82	PM	K3V			6	13.137499	85	36.520481	95.375	0.0818	220.3803	-13.02			
7198	LP 912-39	PM				13	59.7184	-28	-3.887147	95.375	0.1128	250.6642				
7199	NLTT 29983	PM				12	12.857971	11	25.926995	95.375	0.2021	84.4569				
7200	2MASS J08301083+8926335	PM				8	30.180373	89	26.560395	95.403	0.2315	168.7854				
7201	G 235-65	PM	M2			10	19.150424	66	29.564795	95.403	0.2026	249.0876				
7202	LP 569-15	PM	M1.5Ve			18	13.469864	5	26.974557	95.403	0.1383	197.0242	8.76			
7203	LSPM J1049+2538	PM	M6			10	49.690456	25	38.888466	95.403	0.1065	229.8167				
7204	LSPM J1406+5036	PM				14	6.0809511	50	36.314791	95.403	0.0869	100.0476				
7205	[BHR2005] 22-24	low-mass	M3.5V			22	10.464021	-20	-5.236513	95.431	0.0934	235.1215	8			
7206	2MASS J01341058+1257530	PM				1	34.176147	12	57.886209	95.431	0.0993	252.2531				
7207	HD 45588	PM	F8IV			6	27.189412	-25	-51.38985	95.431	0.1614	218.6464	35.9			
7208	HD 80290	PM	F3V		3.83	9	20.729349	51	15.963865	95.431	0.0861	13.7112	-7.79			Ursae Majoris
7209	Wolf 72	White dwarf	DA5.8			1	29.404317	10	23.022283	95.431	0.2383	199.8869	-16.4			
7210	G 178-54	PM				14	53.819725	38	32.389684	95.459	0.2028	34.4524				
7211	HD 70642	b	G6V		4.89	8	21.468953	-39	-42.32467	95.459	0.1758	41.9384	49.4			Puppis
7212	LHS 1079	PM				0	26.958929	8	5.1809691	95.459	0.3087	134.8820				
7213	LHS 5376	PM				21	59.17588	24	44.313166	95.459	0.2798	90.0000				
7214	LSPM J0747+4807	PM				7	47.577344	48	7.5016206	95.459	0.1040	205.6713				
7215	SCR 1240-8209	PM Red & White dwarf stars Subasavage 2004	M			12	40.8515	-82	-9.056667	95.459	0.4860	272.4000				
7216	2MASS J03264453+1919309	Brown dwarf	M8.6V			3	26.742668	19	19.514501	95.487	0.2944	148.5942				
7217	CD-36 1684	PM	K7Vk			4	21.008807	-35	-51.34418	95.487	0.1423	270.2033				
7218	GSC 03874-01377	PM	M2.2V			15	9.1351028	59	4.4289607	95.487	0.0661	120.6204	-5			
7219	iot Hyi	PM	F5IV-V			3	15.961133	-77	-23.30729	95.487	0.0752	298.9278	14.6			Hydri
7220	LP 285-9	PM	M1.5Ve			21	12.373701	35	55.388632	95.487	0.1168	295.2921	-25.58			
7221	LP 885-23	PM	M0			2	7.1058033	-30	-24.38619	95.487	0.1622	117.7857				
7222	omega 2 tau	PM	A3m		2.64	4	17.26104	20	34.71582	95.487	0.0422	214.9723	15			Tauri
7223	2MASS J05023867-3227500	PM	M6.5			5	2.6447911	-32	-27.83501	95.515	0.1064	163.1507				
7224	HD 122862	PM	F9.5V			14	8.4527048	-74	-51.01721	95.515	0.1759	53.5785	-21.08			

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
7225	LP 435-442	PM	M4V			12	40.313263	19	46.196321	95.515	0.1230	232.5214	2			
7226	LP 578-23	PM				21	42.761897	7	17.065775	95.515	0.1135	163.1331				
7227	LSPM J1612+1104	PM				16	12.803966	11	4.2895461	95.515	0.2721	45.4676				
7228	6 And	PM	F5IV			23	10.453958	43	32.640561	95.543	0.1167	180.6898	-32.4			Andromedae
7229	BD-15 767	PM	K4V			4	20.176436	-14	-45.66402	95.543	0.1228	302.8063	36.73			
7230	HD 72614	PM	K2V			8	35.464546	41	44.415883	95.543	0.4010	202.8198	61.09			
7231	LHS 5079	PM	M4.5V			3	43.073376	-6	-14.94454	95.543	0.2794	202.0886				
7232	LP 120-4	PM	M5.5			5	38.201999	52	16.062634	95.543	0.1602	192.3902				
7233	LP 878-73	PM	M4			23	40.79404	-22	-25.51446	95.543	0.2482	241.6902				
7234	TYC 1550-2212-1	Star				17	33.980316	21	11.240927	95.543	0.0058	97.0818	18.28			
7235	UCAC4 726-034770	PM	M3.04			5	9.8750761	55	11.343409	95.543	0.0752	171.0161	31.47			
7236	BD+47 977	Star	K8			4	21.59806	48	20.219763	95.571	0.0227	68.8982	-79.05			
7237	G 25-20	White dwarf	DA			21	13.482126	7	27.069762	95.571	0.1973	290.2938				
7238	G 260-35	PM	M2.0Ve			19	51.200935	62	17.197125	95.571	0.1688	33.4187	-17.13			
7239	HD 151044	PM	F8V			16	42.463544	49	56.186354	95.571	0.1001	129.1419	-13.22			
7240	HD 224789	PM	K1V			0	0.6720015	-69	-40.55794	95.571	0.0458	210.9918	36.78			
7241	LEHPM 4635	PM				22	22.725228	-72	-15.73347	95.571	0.1884	138.2623				
7242	2MASS J18180538-5455185	PM				18	18.08984	-54	-55.31115	95.599	0.1720	170.1341				
7243	CSS 833 CVn (MC79 1-159)	S star - post mass transfer binary	Swk,r			13	48.566973	31	59.949375	95.599	0.0390	356.9050	-5.53			Canum Venaticorum
7244	L 772-53	PM	M1			16	47.592838	-19	-44.4424	95.599	0.1301	255.2030	-21.54			
7245	LP 492-16	PM				11	13.942499	12	50.985161	95.599	0.1090	213.7360	7.69			
7246	UCAC3 88-117877	PM				10	55.425957	-46	-7.113999	95.599	0.0877	269.2396				
7247	2MASS J00064916-0852457	SB	M9V			0	6.8193298	-8	-52.76929	95.627	0.1897	190.1234	4			
7248	G 150-49	PM				13	53.891597	19	1.4127054	95.627	0.1720	154.6888				
7249	HD 219077 (HIP 114699)		G8V		3.79	23	14.109757	-62	-42.00029	95.627	0.3716	131.7536	-31.01			Tucanae
7250	LSPM J0539+0351	PM				5	39.891269	3	51.842348	95.627	0.1072	162.8787				
7251	2MASS J05445741+3705039	Candidate_Brown dwarf				5	44.956871	37	5.0682172	95.655	0.1343	178.3523				
7252	2MASS J06112737-5109134	PM				6	11.456152	-51	-9.224099	95.655	0.1783	332.8877				
7253	G 88-35	PM	M3			7	32.035297	17	19.203004	95.655	0.1639	231.9389	85.5			
7254	HD 102195	b	K0V		5.75	11	45.70488	2	49.288769	95.655	0.1281	239.0001	1.85	1g		Virginis
7255	HD 234121	PM	K1V			14	16.202804	51	22.579202	95.655	0.1007	57.5248	-16.69			
7256	SCR J0758-4126	PM				7	58.477899	-41	-26.72852	95.655	0.1135	264.0602				
7257	Wolf 406	PM	K4V			12	8.3701516	0	28.956031	95.655	0.5643	264.4161	3.33			
7258	Wolf 422	PM				12	32.92829	12	11.554635	95.683	0.3043	262.6520				
7259	2MASS J04405315-6054430	PM				4	40.885663	-60	-54.72261	95.711	0.1660	188.8553				
7260	G 83-29	PM	M3			4	39.721024	9	51.779116	95.711	0.2140	184.9840	-134.3			
7261	L 184-75	White dwarf	DA3.5			7	2.3286374	-58	-50.15027	95.711	0.1206	13.3279				
7262	LP 320-118	PM	M			12	8.4878961	30	39.981207	95.711	0.0852	258.3774				
7263	LP 414-139	PM				4	15.575035	19	35.993394	95.711	0.1259	101.9134				
7264	LP 702-58	PM	M6.5V			23	17.345792	-2	-36.54429	95.711	0.1239	112.3185				
7265	LSPM J0903+4822	PM				9	3.9099642	48	22.663545	95.711	0.0953	142.2101				
7266	8 Dra	gammaDor	F1VmA7(n)			12	55.475834	65	26.308465	95.739	0.0177	187.9894	9			Draconis

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
7267	HD 106453B	PM				12	14.707144	-24	-46.52861	95.739	0.1773	262.1276				
7268	NLTT 30270	PM				12	18.188332	44	49.998068	95.739	0.1487	123.4039				
7269	SCR J1220-1953B	PM				12	20.773305	-19	-53.72353	95.739	0.2081	259.7108				
7270	UCAC3 170-138925	PM				15	54.839003	-5	-21.77988	95.739	0.1229	127.2461				
7271	2MASS J22450754-3251520	PM	M4			22	45.126286	-32	-51.86576	95.767	0.0872	277.3475	9.36			
7272	HD 18450	PM	K2V			2	58.873816	26	46.444579	95.767	0.0735	7.5309	43.17			
7273	HD 218261	PM	F6V			23	6.5314279	19	54.65113	95.767	0.1667	271.0694	-0.94			
7274	LP 659-6	PM				5	58.837076	-3	-8.52655	95.767	0.1215	175.8564				
7275	NLTT 46124	PM	M4.0V			18	13.552726	5	32.199905	95.767	0.1384	197.3460	7.96			
7276	UCAC4 515-058277	PM				15	16.554451	12	57.402055	95.767	0.0980	66.2369				
7277	LHS 3109	PM	M2			15	43.325931	-30	-55.8398	95.795	0.3050	221.9067				
7278	LSPM J1702+1022	White dwarf	DC:			17	2.7712337	10	22.687305	95.795	0.1422	345.8243				
7279	2MASS J10571010-1615324	PM				10	57.168831	-16	-15.54033	95.824	0.2739	252.1639				
7280	BD-20 3194	PM	K5Vk:			10	30.366093	-21	-14.20689	95.824	0.2631	264.0248	31.48			
7281	HD 208906	PM	F8V-VI			21	58.680533	29	48.757624	95.824	0.3083	223.1953	8.75			
7282	LP 36-276	PM	M5.5			9	45.142986	71	44.851747	95.824	0.1264	242.0550				
7283	LP 674-13	PM				12	6.1542123	-9	-14.50505	95.824	0.1502	193.1221				
7284	LP 859-2	PM				15	4.8427438	-25	-39.93994	95.824	0.2521	217.0796				
7285	2MASS J09172811+1348293	RotV				9	17.468832	13	48.488777	95.852	0.0334	104.4800				
7286	2MASS J15090696+5904282	PM	M4			15	9.1163124	59	4.4679657	95.852	0.0642	116.7419				
7287	2MASS J19322564+3917266	PM				19	32.427745	39	17.453974	95.852	0.2511	331.0222	-28.64			
7288	2MASS J19541276-5711271	PM				19	54.213264	-57	-11.45306	95.852	0.0688	140.0394				
7289	BD-03 3527	PM	K5V			13	45.088969	-4	-37.22051	95.852	0.1105	239.5386	4.45			
7290	G 144-12	PM				20	34.832603	10	14.344663	95.852	0.1649	144.4065	2.8			
7291	HD 134439	PM Sub Dwarf	sd:K1Fe-1			15	10.218124	-16	-22.76444	95.852	2.1410	195.7342	310.12			
7292	LP 162-24	PM				7	31.154309	47	42.921491	95.852	0.1911	210.2280				
7293	NLTT 177	PM				0	5.6442268	2	9.9033012	95.852	0.2203	137.5289				
7294	UCAC3 163-126512	PM				13	16.675708	-8	-58.42672	95.852	0.0468	225.6551				
7295	HD 128332	PM	F6V			14	34.265586	57	3.915449	95.880	0.1858	136.8922	-21.42			
7296	HD 21021	PM	K4V			3	22.589351	-30	-11.31447	95.880	0.1396	347.5965	34.86			
7297	LP 726-12		M3.5			8	48.615898	-13	-53.15135	95.880	0.1130	81.5687				
7298	LP 745-67	PM				16	42.007188	-13	-6.560623	95.880	0.1484	225.8150	34.05			
7299	LP 773-24	PM				3	40.728082	-14	-52.21483	95.880	0.1144	133.9306				
7300	2MASS J06160532-4557080	Brown dwarf	L2			6	16.088712	-45	-57.13484	95.908	0.0816	20.5703				
7301	BPM 53558	PM	K7/M0V			10	11.750588	-24	-25.56507	95.908	0.1030	97.0109	10.3			
7302	EPIC 203052716	PM	M4.5			16	40.816522	-27	-25.34535	95.908	0.1123	163.1477				
7303	LHS 3009	PM				15	0.1722413	60	21.767809	95.908	0.3950	66.0236				
7304	WT 853	White dwarf	DAZ			22	0.7562418	-57	-11.38792	95.908	0.1285	254.3798				
7305	2MASS J18214624-6101545	PM				18	21.770825	-61	-1.90575	95.936	0.3316	174.5711				
7306	DENIS J200048.3-752306	Brown dwarf	M9gamma			20	0.8069192	-75	-23.11454	95.936	0.0808	152.8311	8			
7307	G 193-78	White dwarf	DC5			7	56.020558	57	41.996944	95.936	0.2578	188.2788				
7308	GJ 3470	PM	M2.0Ve			7	59.097326	15	23.487334	95.936	0.1131	252.8651	26.09			
7309	HD 106453	PM	K1V			12	14.701933	-24	-46.51079	95.936	0.1717	263.7453	-12.46			

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
7310	HD 147555	PM	K6V			16	24.454923	-43	-39.39403	95.936	0.1318	247.4092	-26.77			
7311	LHS 3160	PM	M:			16	9.1167171	-9	-22.29194	95.936	0.4018	255.1953				
7312	LP 802-12	PM				15	16.198524	-17	-51.5575	95.936	0.1244	87.0554				
7313	BPM 81615	PM	K6V			21	26.014762	-15	-25.10794	95.965	0.1054	127.2066	-19.09			
7314	Ross 317	PM	M2.5V			0	54.008281	69	11.018906	95.965	0.1601	164.4027	0.11			
7315	UCAC3 175-115756	Star				9	57.173655	-2	-43.23898	95.965	0.0289	246.6633	9.62			
7316	UCAC3 295-71095	PM				3	43.782466	57	25.928605	95.965	0.0550	63.2343	-23.02			
7317	WD 0145+234	White dwarf	DA3.9			1	47.913629	23	39.726689	95.965	0.0569	183.0554	52			
7318	HD 19632	PM	G5V			3	8.8740946	-24	-53.25888	95.993	0.1533	301.0478	41.29			
7319	LEHPM 4167	PM				21	38.677339	-51	-39.41912	95.993	0.1504	95.4034				
7320	LP 888-8	PM				3	22.558664	-30	-11.437	95.993	0.1398	347.4274				
7321	LTT 2559	PM	K7			6	27.224047	-25	-50.88604	95.993	0.1591	217.8519	35.7			
7322	2MASS J18242974-2521087	PM				18	24.49508	-25	-21.15907	96.021	0.3667	211.0239				
7323	CD-31 8592	PM	M1.5V			10	51.981193	-32	-1.333802	96.021	0.1449	76.1839	11.36			
7324	L 163-23	PM				21	2.4155743	-60	-31.60035	96.021	0.1359	136.0129	17.99			
7325	theta Ind		A5IV-V+G0V			21	19.866513	-53	-26.96541	96.021	0.0731	122.2507	-14.5			Indi
7326	Ton 17	White dwarf	DA6.0			9	33.684176	29	11.388631	96.021	0.1386	221.9047				
7327	2MASSI J2309142-353159	Brown dwarf	M5			23	9.236911	-35	-31.99145	96.050	0.1705	8.2828				
7328	HD 107388	PM	K3Vk:			12	20.780499	-19	-53.76369	96.050	0.2127	260.3388	-12.01			
7329	L 533-3	PM	M3			9	15.12229	-30	-20.04917	96.050	0.1556	66.2224	19.11			
7330	EGGR 476	White dwarf	DA7.8			2	59.985771	8	11.940526	96.078	0.2826	98.9526				
7331	G 44-33	PM	M3.5V			10	44.313665	12	25.19231	96.078	0.1598	269.8919				
7332	L 533-2	PM	M3			9	15.120991	-30	-20.11437	96.078	0.1575	67.4700				
7333	LHS 3435	PM				19	9.1855009	22	6.819289	96.078	0.2989	235.5816	-65.78			
7334	LSPM J1820+2841	PM				18	20.377234	28	41.436287	96.078	0.1208	16.1805				
7335	CD-38 2136	PM	K3.5Vk:			5	38.67463	-38	-21.44878	96.106	0.1515	166.0473	1.07			
7336	HD 121131	PM	K1V			13	53.088214	27	48.40672	96.106	0.2560	148.7024	49.43			
7337	HD 6673	PM	K2.5V			1	6.7904962	-50	-59.36666	96.106	0.2851	271.3552	6.87			
7338	LP 298-52	PM	M3.36			2	59.278532	31	46.414199	96.106	0.1106	346.8347	12.13			
7339	2MASS J23314456-4433110	PM				23	31.74256	-44	-33.18458	96.135	0.0599	309.2864				
7340	G 242-59	PM	K			0	30.926338	73	22.248163	96.135	0.1611	299.4850	65.88			
7341	LP 246-46	PM				3	2.9159625	36	5.0683312	96.135	0.1367	194.7994				
7342	UPM J1454-5809	PM				14	54.834088	-58	-9.107969	96.135	0.1082	12.0674				
7343	BD+09 2366	PM	K5V			10	32.011061	8	30.635969	96.163	0.1203	156.2943	-38.72			
7344	HD 142626	PM	K0			15	53.0746	53	52.261695	96.163	0.1260	144.8140	9.29			
7345	HD 44821	Star	K0/1V(+G)			6	22.961176	-24	-33.36218	96.163	0.0037	33.6598	14.74			
7346	LHS 2330	PM				10	55.79841	22	54.506808	96.163	0.3887	247.4735				
7347	LP 325-4	PM				14	14.253397	28	47.416369	96.163	0.2052	143.9383				
7348	LP 709-79	PM				2	17.93	-13	-27.17092	96.163	0.1277	103.7651				
7349	LSPM J0949+1346	PM				9	49.867996	13	46.441147	96.163	0.1613	253.0245				
7350	TYC 7307-81-1	PM				14	27.547087	-36	-43.98392	96.163	0.0914	68.9258	-28.64			
7351	u Car	PM	K0IV			10	53.494288	-58	-51.19039	96.163	0.0511	295.9615	8.1			Carinae
7352	UCAC3 178-130136	PM				14	31.48868	-1	-20.44508	96.163	0.0547	233.5258	-16.76			

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
7353	2MASS J23361644+1835004	Star	M8.5			23	36.274003	18	35.006853	96.191	0.0151	242.9764				
7354	eta UMi Anwar Al Farkadain	(Anwar al Farkadain)	F5 V		2.58	16	17.504489	75	45.320656	96.191	0.1588	19.3136	-11			Ursae Minoris
7355	G 29-14	PM				23	13.842237	1	55.535191	96.191	0.1917	270.4899				
7356	HD 329868	PM	K			15	46.531196	-47	-14.01091	96.191	0.3324	224.2800	-47.87			
7357	UCAC3 242-88245	PM				7	24.946858	30	54.618895	96.191	0.0842	83.1649				
7358	2MASS J18443249-6225581	PM				18	44.541778	-62	-25.96977	96.220	0.1115	65.5620				
7359	2MASS J21385684-2114350	Star	M3.5			21	38.947253	-21	-14.58122	96.220	0.0192	71.0211	10.55			
7360	BD+28 2110	PM	K7V			12	22.567883	27	36.282714	96.220	0.0865	258.5717	-22.11			
7361	beta Cet (Deneb Kaitos) Diphda		G9.5 IIICH-1		-0.31	0	43.589515	-17	-59.19638	96.220	0.1366	277.8326	13.32		0.033	Ceti
7362	HD 1273	SB	G5VFe-1.2CH-0.9			0	16.898313	-52	-39.06738	96.220	0.2088	299.5829	-11.7			
7363	L 772-52	PM	M2.5			16	47.690401	-19	-41.46967	96.220	0.1299	255.1678	-21.48			
7364	LB 9802	White dwarf	DA			3	17.318802	-85	-32.52147	96.220	0.0382	250.0995				
7365	LP 226-38	PM				17	7.2102798	41	36.737535	96.220	0.1159	57.3837				
7366	Ross 795	PM				5	16.151877	23	5.3288133	96.248	0.2140	129.7087				
7367	V* CL Oct	White dwarf	DAP			3	17.264086	-85	-32.42602	96.248	0.0434	260.8923				
7368	2MASS J11021562-8553592	PM				11	2.2599832	-85	-53.98703	96.277	0.1902	266.6142				
7369	GD 187	White dwarf	DA			15	40.555963	33	8.8750892	96.277	0.1071	62.7260				
7370	HD 31027		K1V			4	49.61758	-53	-52.89086	96.277	0.1554	329.8116	29.6			
7371	LSPM J0735+4814S	PM	M1.0Ve			7	35.446395	48	14.601641	96.277	0.1299	151.2987	-38.11			
7372	2MASS J05322679-5657163	PM	M3			5	32.446616	-56	-57.27456	96.305	0.2521	177.0193				
7373	G 273-145	PM				23	49.594351	-17	-10.55887	96.305	0.1197	145.7378	10.63			
7374	LHS 5060	PM	M:			2	50.819384	-60	-22.58005	96.305	0.2896	276.5311	-704.13			
7375	2MASS J21330794+2321590	Brown dwarf	M9.6V			21	33.132603	23	21.982757	96.334	0.1257	205.7656				
7376	2MASS J22310461+2350569	PM				22	31.076677	23	50.947285	96.334	0.0893	235.7303				
7377	HD 174160	Star	F7V			18	48.273379	23	30.88487	96.334	0.0153	105.5476	3.31			
7378	NLTT 44733	PM				17	24.695307	4	22.822119	96.334	0.1447	142.1969				
7379	StKM 1-828	PM	M1			10	6.763887	5	0.4470234	96.334	0.0528	113.3920				
7380	Wolf 411	PM	K5V			12	23.578555	27	54.794417	96.334	0.1065	48.7538	-30.2			
7381	2MASS J02241099-6433018	PM Red & White dwarf stars Subasavage 2004				2	24.182636	-64	-33.03258	96.362	0.2523	105.3299				
7382	G 111-6	PM				7	30.050674	39	47.808222	96.362	0.2191	194.0609				
7383	HD 102071	PM	K0.5V			11	44.655013	-29	-53.09186	96.362	0.0442	59.8311	-8.56			
7384	HD 46375	PM	K1IV			6	33.210377	5	27.775463	96.362	0.0859	131.0037	-1.07			
7385	LSPM J1051+2730	PM				10	51.13049	27	30.400788	96.362	0.0985	163.0739				
7386	2MASS J23081134-2722001	Brown dwarf	L1.4V			23	8.1897728	-27	-22.0105	96.391	0.2561	126.7527				
7387	beta UMa Merak	(Merak)	A1IVps		0.5	11	1.8415088	56	22.947218	96.391	0.0461	290.4656	-13.1	dust		Ursae Majoris
7388	HD 134440	PM	K2V			15	10.21613	-16	-27.77518	96.391	2.1402	195.7825	310.77			
7389	L 43440	PM				2	53.284211	-80	-31.3315	96.391	0.2288	287.1063				
7390	LHS 5362	PM	M2.5V			20	58.385451	42	35.055372	96.391	0.3030	323.8497	35.93			
7391	Wolf 537	PM				14	42.078958	1	55.215424	96.391	0.3429	159.9388				
7392	2MASSW J2206450-421721	Brown dwarf	L2V			22	6.7499669	-42	-17.35276	96.419	0.1310	144.4748				
7393	HD 22468B	PM	K4			3	36.780735	0	35.265546	96.419	0.0828	193.9756	-15.24			

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
7394	ksi Cep (ksi Cep) (Alkurhah) Kurhah Alkirdah Al Kirduh	B	A3	F7/8V	4.29	22	3.7909165	64	37.678547	96.419	0.1361	292.9104	-10.74			Cephei
7395	alpha Pic		A7IV		0.83	6	48.190919	-61	-56.48335	96.448	0.1465	15.2124	15.3			Pictoris
7396	HD 31208B	PM	K0			4	54.271274	7	22.128718	96.448	0.1835	128.8148	46.67			
7397	LSPM J0948+0532	PM				9	48.295736	5	32.196043	96.448	0.1189	203.6991				
7398	2MASS J02304498-0953050	Brown dwarf	L0.9V			2	30.749995	-9	-53.08817	96.476	0.0921	105.5623				
7399	HD 144061		G5			15	58.350479	70	53.666319	96.476	0.1524	12.6869	-8.84			
7400	HD 277656	PM	K0			5	12.28964	41	26.75929	96.476	0.2749	181.7313	-35.95			
7401	LSPM J1751+2310	PM				17	51.096811	23	10.053384	96.476	0.1483	355.1195				
7402	CE 285	PM	M3			12	50.737204	-35	-29.5467	96.505	0.2187	255.9753	8.78			
7403	G 158-51	PM	M1.5			0	17.4698	-8	-44.37837	96.505	0.2353	105.9683	7.52			
7404	G 160-54	PM	M4.5+M7			4	13.764674	-5	-9.084517	96.505	0.1215	121.8275	-13.15			
7405	G 270-135	PM				1	5.0352454	-10	-53.69657	96.505	0.1730	204.2870	-4.75			
7406	HD 135363		G5V+M2V-M4V			15	7.9375053	76	12.045247	96.505	0.1217	37.6513	-8.72			
7407	LHS 1324	PM				2	0.7185792	3	59.328431	96.505	0.3112	290.0375				
7408	LP 549-33	White dwarf	DA7.5			10	15.043497	8	6.5950249	96.505	0.1930	60.3925	39			
7409	2MASS J02342146+6012286	PM				2	34.357314	60	12.478688	96.533	0.1825	113.2202				
7410	CD-67 2555	PM	K2V			22	36.126035	-66	-55.49253	96.533	0.1646	228.9302	13.22			
7411	HD 207966B	PM	M0.5Ve			21	51.898123	42	20.656344	96.533	0.2014	209.9890	-25.9			
7412	HD 31208	PM	K0			4	54.27742	7	22.382122	96.533	0.1855	129.3570	46.54			
7413	LP 835-22	PM				4	49.053557	-24	-12.65336	96.533	0.1272	285.8189				
7414	UCAC4 365-075159	PM				16	20.306798	-17	-7.861969	96.533	0.1019	200.8199				
7415	HD 26811	PM	K0V			4	17.130201	53	21.993026	96.562	0.0478	28.5078	-20.43			
7416	2MASS J11301367+1937346	Brown dwarf	M7.5			11	30.228149	19	37.57871	96.591	0.1501	175.0533				
7417	BPS CS 29502-0014	PM	M3.5			22	27.81398	-1	-13.87927	96.591	0.0978	92.7711				
7418	G 203-22	PM				16	42.601633	42	4.2081426	96.591	0.1321	18.6370				
7419	HD 33636	Pec	G0V_CH-0.3			5	11.77415	4	24.212663	96.619	0.1332	127.4843	5.64			
7420	HD 35956	SB	G0V			5	28.860707	12	33.05009	96.619	0.1345	158.4244	10.22			
7421	LHS 3289	PM				17	25.662876	0	59.344138	96.619	0.3098	87.6414	-68.49			
7422	LSPM J0243+4755	PM				2	43.031339	47	55.854553	96.619	0.1202	94.4373				
7423	LSPM J0717+1125	PM				7	17.051707	11	25.692536	96.619	0.2190	241.3991				
7424	NLTT 12934	PM				4	18.092299	42	11.036498	96.619	0.1255	191.4776				
7425	NLTT 9777	low-mass	M6+D			3	4.0343471	0	45.852826	96.619	0.1479	277.6766	-30			
7426	SDSS J163112.28+322711.4	low-mass	M8V			16	31.204675	32	27.18865	96.619	0.0330	35.6394	-66			
7427	TYC 8580-662-1	PM				8	32.009478	-58	-39.48116	96.619	0.0890	26.4084	26.61			
7428	2MASS J20392903-4119384	PM	M4.5			20	39.483605	-41	-19.64492	96.648	0.1861	223.9782				
7429	2MASSI J1453484+373316	Brown dwarf	M8V			14	53.807673	37	33.278419	96.648	0.0647	37.3588	-6			
7430	G 240-52	PM	M4.0			17	15.078271	66	52.981896	96.648	0.2036	210.3739				
7431	HD 3277	SB	G8V			0	35.570931	-39	-44.77718	96.648	0.1179	146.1521	-11.94			
7432	HD 62848	PM	F9V			7	43.357946	-52	-9.841831	96.648	0.0844	20.0801	18.49			
7433	LP 712-11	PM	M4.0			3	10.036015	-13	-34.20442	96.648	0.1762	190.8461				
7434	53 Her	PM	F0V			16	52.967631	31	42.100247	96.677	0.0539	259.3291	-21.8			Herculis
7435	HD 145148 (42G Ser)	PM	K1.5IV		3.51	16	9.1869209	6	22.72152	96.677	0.4528	160.9359	-4.04			Serpentis

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
7436	HD 218209	PM	G6V			23	5.1015197	68	25.023883	96.677	0.3574	285.3742	-15.87			
7437	LP 721-18	PM				6	59.670297	-11	-10.00184	96.677	0.1565	32.3015				
7438	LSPM J2025+2539	PM				20	25.258214	25	39.715753	96.677	0.0937	16.1080				
7439	MGC 62663	PM				14	28.348337	0	12.258946	96.677	0.1739	87.0167				Virginis
7440	SDSS J083717.21-000018.0	Brown dwarf	T0.5			8	37.286867	0	0.3013333	96.677	0.1004	184.9841				
7441	LP 274-10	PM	M4.5e			15	50.308789	34	37.259775	96.705	0.1122	222.8293				
7442	UCAC4 631-018323	RotV				4	30.303761	36	1.570946	96.705	0.1132	96.1231	18.21			
7443	V* V359 And	BY Draconis variable	K7V			1	2.8785633	47	2.8313342	96.705	0.2518	113.5904	-3.45			
7444	2MASSW J1122362-391605	Brown dwarf	L3			11	22.60406	-39	-16.09231	96.734	0.1128	166.7747				
7445	G 268-106	PM	MV			1	3.9134611	-26	-20.07814	96.734	0.2197	164.7646	-15.71			
7446	HD 49933B	PM				6	50.833266	0	32.352241	96.734	0.1051	175.7550				
7447	LP 274-11	PM	M3.0			15	50.309993	34	37.184366	96.734	0.1148	223.1270				
7448	LSPM J0416+6200	PM				4	16.427955	62	0.9558828	96.734	0.1059	161.3152				
7449	SDSS J121729.35+003532.6	low-mass	M9V			12	17.489113	0	35.544052	96.734	0.0292	278.0811	15			
7450	UCAC4 173-217320	PM				23	1.5418837	-55	-30.29208	96.734	0.1993	306.5950	-64.39			
7451	WT 2046	PM				13	22.532805	-20	-4.566748	96.734	0.1550	229.4922				
7452	SCR 1208-3723	PM red / white dwarf stars Subasavage 2005	M			12	8.851	-37	-23.46	96.763	0.4200	140.5000				
7453	LP 521-15	PM				22	46.932845	14	37.240608	96.763	0.2007	279.2367				
7454	2MASS J07171626+5705430	Brown dwarf	L3			7	17.271101	57	5.7192408	96.791	0.0283	30.5113	-16.32			
7455	BD+33 2990C	PM	M2.5V			17	55.842231	33	25.378094	96.791	0.1327	176.3250				
7456	G 123-36	PM	M1.0Ve			12	29.91744	36	26.707124	96.791	0.1186	139.0405	-15.45			
7457	HD 46375B	PM	M2.0V			6	33.201502	5	27.886181	96.791	0.0831	133.2606	-0.4			
7458	LHS 2046	PM	M3.5			8	44.373069	-10	-24.19506	96.791	0.3515	150.1805				
7459	LP 758-31	PM				21	45.121987	-8	-49.5696	96.791	0.1105	110.1248				
7460	LP 850-13	PM				11	14.493309	-22	-2.524872	96.791	0.1378	99.9304				
7461	LSPM J1041+0859	PM				10	41.530308	8	59.471904	96.791	0.1461	214.7005				
7462	UCAC4 172-003319	PM	M3.5			3	36.794032	-55	-45.13498	96.791	0.1317	1.4081				
7463	WT 1471	PM				6	6.6353796	-22	-10.85644	96.791	0.0865	245.4621				
7464	2MASS J03043226-2435136	Star				3	4.5376344	-24	-35.22736	96.820	0.0260	241.4869				
7465	2MASS J17501291+4424043	SB	M6.5+M8.5			17	50.215065	44	24.070742	96.820	0.0888	8.1376				
7466	G 77-28	PM	M2.5V			3	11.081574	-4	-36.60441	96.820	0.1771	179.1430				
7467	HD 3041	PM	K0			0	34.046276	43	1.6643066	96.820	0.0372	344.8595	10.71			
7468	NLTT 42620	PM	M4.0V			16	18.348844	75	43.137811	96.820	0.1558	18.1093	-9.7			
7469	NLTT 53647	PM	M6			22	21.907006	27	29.110251	96.820	0.2074	188.9214				
7470	BD-22 1050	PM	M			5	13.986175	-21	-58.41267	96.849	0.0524	313.0192	51.54			
7471	UCAC4 832-014013	PM	M4.5V			15	7.9535725	76	13.985816	96.849	0.1206	38.0382				
7472	2MASS J22294830-4858285	PM	M4.5			22	29.805085	-48	-58.47725	96.878	0.0708	120.3861	21.7			
7473	EGGR 554	White dwarf	DZ			23	15.313453	-2	-9.676692	96.878	0.3595	286.7290				
7474	G 177-35	PM	M3.76			13	22.161395	41	44.713476	96.878	0.1885	148.6687	-9.78			
7475	G 180-45	PM	K5V			16	15.914947	35	49.269748	96.878	0.1500	50.0537	-45.4			
7476	G 227-20	PM	M0.5Ve			17	52.197127	64	46.141287	96.878	0.2021	180.0257	-18.42			
7477	G 36-20	PM				2	29.429884	26	24.130583	96.878	0.2678	104.4225				

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
7478	HD 59380	PM	F6V			7	29.427683	-7	-33.07417	96.878	0.0892	343.3431	4.4			
7479	HD 9562	PM	G1V			1	33.713923	-7	-1.520608	96.878	0.1126	115.1630	-14.95			
7480	LP 209-2	PM	M5.5			8	24.515841	39	0.8975471	96.878	0.1490	236.2772				
7481	LP 223-17	PM				15	28.202045	43	40.104224	96.878	0.1122	38.9504				
7482	NLTT 23417	PM				10	7.0704263	35	26.941915	96.878	0.1894	258.3080				
7483	ADS 5602 B	PM				6	55.626971	-20	-8.000833	96.907	0.0345	313.6907	-2.21			Canis Majoris
7484	alpha And Alpheratz	(Alpheratz) B	A0		2.06	0	8.3876647	29	5.4258667	96.907	0.1242	139.9347	-10.1			Andromedae
7485	BD+33 2990	RotV	K6V			17	55.83392	33	25.238186	96.907	0.1370	177.6501	-0.91			
7486	G 176-59	PM				11	50.81636	45	34.043627	96.907	0.1842	151.7924				
7487	HD 10611B	PM	K5Ve			1	43.236388	-21	-36.93846	96.907	0.0340	92.5716	10.4			
7488	Ross 388	Flare	M3.5V			5	9.1660501	15	27.548637	96.907	0.3777	167.9690	-16.2			
7489	UCAC4 231-078764	PM				14	41.121616	-43	-56.97119	96.907	0.1401	213.0883				
7490	UCAC4 416-048728	Star				9	0.4709034	-6	-52.37759	96.907	0.0276	111.2304	48.2			
7491	2MASS J22521919-6905476	PM				22	52.320102	-69	-5.794654	96.935	0.1489	104.1223				
7492	G 172-35	PM	M1.5V			1	2.89122	47	3.0500569	96.935	0.2497	113.8056	14.19			
7493	LP 463-57	PM				23	48.421077	19	53.789702	96.935	0.2327	300.4468				
7494	SCR J1910-4338	PM red / white dwarf stars Subasavage 2005	M			19	10.39304	-43	-38.62363	96.935	0.2822	178.7482				
7495	2MASS J09221952-8010399	Brown dwarf	L4			9	22.325379	-80	-10.66511	96.964	0.0342	149.9256				
7496	BD+47 2391	PM	K4V			16	50.440801	47	44.312596	96.964	0.0702	251.0516	-0.41			
7497	CD-30 13458	PM	K7Vk			16	46.75209	-30	-37.98304	96.964	0.1092	213.7388	-47.28			
7498	G 172-36	PM	M3.5			1	4.1600252	52	38.95196	96.964	0.2000	129.0873				
7499	LHS 3575	PM	M:			20	43.89588	-32	-11.60822	96.964	0.2971	96.9720				
7500	UCAC4 355-020729	PM	M5.0V			7	0.1138829	-19	-1.393826	96.964	0.0995	121.6723				
7501	UCAC4 360-001969	Star				1	41.363905	-18	-4.408026	96.964	0.0245	176.5424	-23.96			
7502	2MASS J02394245-1735471	Brown dwarf	M9.0V			2	39.707559	-17	-35.78797	96.993	0.0679	148.1893				
7503	2MASS J22133513-4245399	PM				22	13.586249	-42	-45.66468	96.993	0.0554	274.4930				
7504	LP 735-9	PM				12	26.991861	-15	-28.77146	96.993	0.1728	138.1691				
7505	beta Del Rotanev	(Rotanev) B	F5 IV	F2 V		20	37.549067	14	35.7055	97.000	0.0764	114.0910	-24.1			Delphini
7506	[BEM91] 11	PM	MV			1	55.577591	6	32.799642	97.022	0.1105	122.4995				
7507	51 Eri	PM	F0IV			4	37.602205	-2	-28.41298	97.022	0.0452	145.2079	12.6			Eridani
7508	G 226-35	PM				16	54.652067	62	38.754942	97.022	0.2221	55.8052				
7509	LP 289-12	PM	M1.5			22	50.586957	36	11.579717	97.022	0.1244	255.3387				
7510	LHS 2796	PM				13	46.293184	-4	-1.118547	97.051	0.3030	69.5486				
7511	LP 167-11	PM				10	10.229242	45	52.83197	97.051	0.1951	252.6520				
7512	CD-33 671	Star				1	57.06969	-33	-10.33395	97.080	0.0221	42.5326				
7513	EPIC 215493021	PM				19	4.363986	-24	-6.26189	97.080	0.1287	71.5809				
7514	G 163-7	PM				10	44.570189	0	43.252307	97.080	0.1939	214.2212				
7515	HD 168159	PM	K3V			18	18.677978	-6	-42.06198	97.080	0.0396	261.3218	-28.1			
7516	LP 589-23	PM	M2.5V			2	2.3729229	1	15.710122	97.080	0.1111	23.5436	-3.26			
7517	LP 873-9	PM	M4			21	11.227775	-22	-48.29611	97.080	0.1998	188.0657				
7518	pi CMa	subgiant	F1.5V			6	55.62386	-20	-8.189683	97.080	0.0371	308.2320	4.74			Canis Majoris
7519	UCAC4 488-033596	PM				7	0.0929789	7	32.901508	97.080	0.0620	66.6850				

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
7520	G 47-30	PM				9	14.607855	26	16.094115	97.109	0.1985	145.4218				
7521	HD 161098	PM	G8V			17	43.737535	-3	-55.07197	97.109	0.1535	204.2695	-17.07			
7522	LP 523-78	PM	M2.5V			23	56.004598	15	1.6765597	97.109	0.1198	216.3507	12.8			
7523	LP 549-32	White dwarf	DC			10	15.029137	8	6.1873924	97.109	0.1941	61.6531				
7524	APMPM J1957-4216	PM	M5			19	56.960106	-42	-16.38375	97.138	0.5970	171.5383				
7525	G 189-18	PM				22	25.853653	31	48.833065	97.138	0.2026	145.8768				
7526	V* BV Phe	BY Draconis variable	M3			0	55.423395	-51	-49.95822	97.138	0.2815	316.3022	20.68			
7527	2MASS J03224269+7932066	PM				3	22.712016	79	32.111911	97.167	0.1081	151.8220	-0.96			
7528	2MASS J07111376-3001208	PM				7	11.229569	-30	-1.350082	97.167	0.1747	160.6319				
7529	G 258-17	PM	M4.0V			17	41.267833	72	26.536163	97.167	0.1896	22.3930				
7530	HD 66573	PM	G5VFe-1.3CH-1			8	4.4973878	9	16.076089	97.167	0.1583	272.7538	-59.3			
7531	LP 314-66	PM				9	47.785863	28	37.823818	97.167	0.1680	151.3132				
7532	UCAC4 244-186592	PM				23	16.781087	-41	-13.23445	97.167	0.2007	92.7685				
7533	UCAC4 435-075339	PM	M3.5V			18	2.822742	-3	-0.0417	97.167	0.1284	139.7172				
7534	2MASS J03461215-0218271	PM				3	46.202967	-2	-18.46793	97.196	0.4821	157.0288				
7535	G 146-48	PM	M2.5Ve			10	36.447243	41	30.104194	97.196	0.1896	130.7281	-17.64			
7536	HD 116920	PM	K2+V			13	27.04842	-24	-17.42615	97.196	0.2010	258.8301	-13.52			
7537	LHS 5014	PM	M:			0	47.167488	-49	-7.008332	97.196	0.2871	279.3102				
7538	2MASS J13551567-5623209	PM				13	55.261081	-56	-23.34948	97.225	0.1868	248.5237				
7539	2MASSI J1426316+155701	SB	M9V			14	26.526853	15	57.017418	97.225	0.0543	126.3769	22			
7540	HD 73554	PM	K2			8	40.610557	43	6.8239042	97.225	0.1993	209.4746	54.47			
7541	LHS 1399	PM				2	24.0256	-10	-39.05896	97.225	0.2968	227.5063				
7542	BD+46 3778	PM	G5V:			22	39.78257	47	44.299513	97.254	0.2225	185.0329	-28.11			
7543	HD 197210	PM	G5V			20	42.490147	-5	-18.0745	97.254	0.1072	199.3150	3.19			
7544	LHS 3962	PM				23	30.754994	7	26.454007	97.254	0.3323	299.3529				
7545	NLTT 993	PM				0	19.273515	7	48.118965	97.254	0.1247	278.7071				
7546	UCAC4 249-000701	PM				0	46.272043	-40	-17.90173	97.254	0.2288	284.6658				
7547	V* MZ UMa	BY Draconis variable	K2			12	11.462826	53	25.293476	97.254	0.1248	232.5950	-5.43			
7548	HD 157466	PM	F8V			17	22.460769	24	52.765574	97.283	0.1114	157.2223	34.14			
7549	LSPM J0628+6633	PM				6	28.68344	66	33.656348	97.283	0.1431	235.0641				
7550	Ross 14	PM				1	56.018221	55	51.467696	97.283	0.2492	122.0291	30.85			
7551	TYC 9007-2430-1	Star				14	38.962758	-61	-27.42138	97.283	0.0108	192.5935				
7552	2MASS J05294468-3239141	Star	M4.5			5	29.744778	-32	-39.23826	97.312	0.0108	305.2538				
7553	BD+34 1740	PM	K7/M0V			8	5.7022431	34	4.6533257	97.312	0.1609	146.3832	-3.99			
7554	LHS 1802	PM	M5			5	55.729458	46	50.965978	97.312	0.3081	178.6254				
7555	LHS 1815	PM	M2.5V			6	4.3393132	-55	-18.78064	97.312	0.4437	296.6503	42.22			
7556	LP 938-15	PM				0	49.624113	-35	-58.41264	97.312	0.2152	238.3841				
7557	LSPM J0354+2316	low-mass	M7.9V			3	54.023109	23	16.563439	97.312	0.1245	106.9290				
7558	TYC 5341-346-1	PM				5	31.095227	-12	-57.79169	97.312	0.0431	63.7336	72.54			
7559	UCAC2 41130454	Star				23	36.892927	26	13.869586	97.312	0.0224	204.8999				
7560	2MASS J07410404-0359495	Candidate_Brown dwarf				7	41.067338	-3	-59.82833	97.341	0.0585	192.6658				
7561	APMPM J0417-5648	PM				4	16.779813	-56	-48.13615	97.341	0.2082	196.2023				
7562	CD-38 6872	PM				10	59.830687	-39	-25.13277	97.341	0.0341	186.4325	9.46			

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
7563	HD 188100	PM	G5			19	51.656203	44	7.705263	97.341	0.0666	307.2959	-54.45			
7564	LSPM J0459+0219	PM				4	59.476308	2	19.968947	97.341	0.1077	327.4919				
7565	LSPM J1431+3514	PM				14	31.912231	35	14.55907	97.341	0.1640	171.9813				
7566	LSPM J1655+1236	PM				16	55.785468	12	36.96729	97.341	0.0987	251.6006				
7567	LSPM J2202+0237	PM				22	2.8941787	2	37.692141	97.341	0.1490	139.8597				
7568	Ross 888	PM	M0V			9	38.398726	2	40.603158	97.341	0.4989	202.9776	117.05			
7569	UCAC3 80-1508	PM				0	43.167245	-50	-10.3867	97.341	0.1370	123.6523	-6.85			
7570	Wolf 289	PM	M4			6	41.469811	15	45.793882	97.341	0.1851	173.1250	121.54			
7571	G 107-33	PM				6	54.651142	44	40.623859	97.370	0.2322	173.1698				
7572	LP 836-35	PM				5	29.169771	-21	-50.69568	97.370	0.1286	101.6818				
7573	LP 983-65	PM				22	1.4545854	-38	-24.59294	97.370	0.2175	180.9130	61.34			
7574	theta Ind B	PM	G0V			21	19.853295	-53	-26.96411	97.370	0.0700	129.4708	-6.49			Indi
7575	TYC 371-1053-1	PM	M2.0Ve			16	12.077443	3	18.34564	97.370	0.0386	154.1139	8.46			
7576	GJ 4188	PM	M3			21	17.66051	-8	-54.81986	97.399	0.0456	249.8229	40.62			
7577	HD 163573		K6+V			17	57.682608	-21	-43.17625	97.399	0.0922	164.2234	-2.09			
7578	HD 24206	PM	G7V			3	52.093291	22	40.297917	97.399	0.2312	148.6431	11.23			
7579	NLTT 21235	PM				9	14.584742	62	46.388655	97.399	0.1182	218.8797				
7580	G 167-15	PM	M2.5			15	4.3710575	29	28.709328	97.428	0.1714	124.5441				
7581	LP 165-26	PM				9	8.8082821	46	55.887386	97.428	0.1699	160.4892				
7582	LP 641-4	PM	M0V			22	45.771136	1	41.382885	97.428	0.1223	106.0249	-25.64			
7583	LSPM J0803+0546	PM				8	3.2322855	5	46.201358	97.428	0.1141	113.5579				
7584	2MASS J09125959-8311515	PM				9	12.99248	-83	-11.85997	97.457	0.4694	28.5724				
7585	G 69-45	PM	K7V			1	4.5408402	26	7.2104464	97.457	0.1837	272.4481	7.45			
7586	GD 366	White dwarf	DC6			17	48.447688	45	3.464155	97.457	0.0990	104.4601				
7587	HD 208896	PM	K2			21	58.525239	34	39.527525	97.457	0.0698	253.3720	-12.63			
7588	HD 5294	PM	G5			0	54.987838	24	6.0162512	97.457	0.1500	225.8321	-8.34			
7589	LP 415-396	PM	M5V			4	43.738075	15	5.9321164	97.457	0.1054	216.9869	-4.6			
7590	LP 802-68	PM	M2V			15	24.762522	-17	-7.655783	97.457	0.2197	237.7365	-8.91			
7591	G 161-60	PM				9	40.670594	-4	-34.52708	97.487	0.2108	170.2063				
7592	HD 258728	PM	M0			6	32.037254	34	31.458378	97.487	0.1923	225.6562	8.06			
7593	L 86-82	PM	M0.5			0	21.915724	-68	-31.42287	97.487	0.1349	196.6744	44.99			
7594	LP 159-32	White dwarf	DA			5	55.717216	46	50.808187	97.487	0.3097	178.4809				
7595	UCAC4 157-003138	PM				3	33.768322	-58	-42.72791	97.487	0.1234	291.8043				
7596	V* EN Psc	BY Draconis variable	K2V			1	21.469819	31	20.481892	97.516	0.3382	102.1468	21.01			
7597	G 73-34	PM	M3.83			2	12.281193	11	31.032791	97.545	0.1864	101.9809	79.85			
7598	HD 217487	PM	K1V+k:			23	1.7016458	-51	-28.10252	97.545	0.0754	226.6917	3.92			
7599	LP 709-44	PM	M3			2	10.742636	-9	-38.43353	97.545	0.1330	271.7496				
7600	NLTT 50209	PM				20	55.818191	61	44.525023	97.545	0.1592	306.9395				
7601	NLTT 52801	PM				22	0.7839806	79	49.422277	97.545	0.1344	137.4121				
7602	2MASS J04453237-3642258	PM	M9			4	45.539052	-36	-42.42801	97.574	0.2778	93.7068				
7603	2MASS J13461853+0713382	PM				13	46.308996	7	13.634795	97.574	0.0928	136.1714				
7604	APMPM J0424-4551	White dwarf	DA9.5			4	23.961182	-45	-50.70447	97.574	0.3050	190.6770				
7605	CD-26 8683	PM	K6V			11	39.136061	-27	-41.77279	97.574	0.2632	127.6379	37.98			

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
7606	G 53-4	PM	K4V			9	47.278014	1	34.616036	97.574	0.1671	10.0253	31.33			
7607	LHS 3081	PM				15	33.32984	-27	-23.27259	97.574	0.3551	244.4532	-27.39			
7608	StKM 43125	PM	M0.0Ve			0	20.953219	17	38.266343	97.574	0.0531	154.8978	-2.45			
7609	TYC 7550-274-1	Star				2	8.3013454	-37	-32.33994	97.574	0.0233	206.6483	18.79			
7610	G 139-4	PM	M0V			17	0.6446109	6	18.783293	97.603	0.1836	184.4766	-45.56			
7611	G 170-28	PM	M2.0Ve			17	14.670393	26	55.698558	97.603	0.1934	62.8645	-45.42			
7612	HD 196794	PM	K2IV			20	39.367514	10	4.5441249	97.603	0.1853	273.8595	-53.28			
7613	HD 201989	PM	G6V			21	14.030023	-29	-39.81139	97.603	0.1372	98.9999	-23.98			
7614	LHS 5217	PM	M:			12	31.401247	-6	-38.01395	97.603	0.2926	116.8472				
7615	TYC 4028-1063-1	Star				0	34.296828	66	15.18101	97.603	0.0225	191.0235	-4.84			
7616	LP 788-20	PM	M2.5			9	41.353621	-20	-34.68296	97.633	0.2461	89.7756				
7617	CD-79 290	PM	M0			7	24.51815	-80	-11.12232	97.662	0.1081	289.0590	2.09			
7618	nu02 Dra	SB	kA4hF2VmF3			17	32.267395	55	10.374576	97.662	0.0906	293.6363	-16			Draconis
7619	BD+34 1378B	PM	M4V			6	32.033933	34	31.21206	97.691	0.1953	226.3501	6			
7620	G 85-38	PM				5	1.8867624	23	57.192621	97.691	0.1419	215.3192	73.07			
7621	HD 224476	PM	G5			23	58.331394	9	49.849348	97.691	0.0401	91.3046	-0.22			
7622	LHS 3617	PM				21	3.3899601	-10	-32.41438	97.691	0.3450	149.2903				
7623	LSPM J2237+0411	PM				22	37.22954	4	11.051033	97.691	0.1000	249.3082				
7624	NLTT 31625	PM	M2			12	42.658051	-36	-20.51659	97.691	0.1466	266.4047	-3.16			
7625	beta Ari 6 (Sheratan) Sharatan Sheratim		A5 V		2.77	1	54.640183	20	48.481888	97.720	0.0862	138.1936	-3.1			Arietis
7626	eta Ari	dwarf	F5V			2	12.801428	21	12.659626	97.720	0.0954	271.7472	5.38			Arietis
7627	G 81-7	PM				4	10.951237	44	39.191486	97.720	0.1766	163.1869				
7628	HD 116858	PM	K2.5Vk:			13	26.659286	-24	-17.60236	97.720	0.2007	258.4899	-12.43			
7629	HD 134044	PM	F8V			15	6.5857603	36	27.363954	97.720	0.0448	56.6550	-5.81			
7630	HD 209742	PM	K2V			22	6.7715838	-45	-23.54629	97.720	0.2722	124.2690	-24.82			
7631	HD 31143	PM	K0V			4	51.76159	-35	-50.41044	97.720	0.0572	245.7932	-11.6			
7632	HD 351151	PM	K7.0Ve			20	3.0154707	20	5.827845	97.720	0.1053	93.9570	-62.37			
7633	LP 649-93	PM	M8V			2	18.96535	-6	-17.833	97.720	0.2180	103.1092				
7634	LP 860-30	PM	M5e			15	46.192494	-25	-14.0885	97.720	0.2171	218.2797				
7635	OGLE LMC164.2 7	PM				5	26.838219	-71	-7.611907	97.720	0.1318	12.5101				Mensae
7636	PHL 6585	White dwarf	DC			0	45.105597	-6	-8.326748	97.720	0.4039	170.5938				Ceti
7637	UCAC3 95-15346	Star				5	37.79266	-42	-40.51827	97.720	0.0215	341.6485				
7638	2MASS J01070426+2435279	PM	M5.5			1	7.0706047	24	35.453287	97.750	0.2127	209.9521				
7639	2MASS J19244203+2326249	PM				19	24.701268	23	26.413146	97.750	0.1129	99.6752				
7640	e Gem B	PM	G6V			6	54.64868	13	10.569835	97.750	0.0686	130.8538	22.6			Geminorum
7641	G 150-43	White dwarf	DA6.9			13	49.743427	27	55.36271	97.750	0.1537	74.8797				
7642	HD 14691	PM	F3V(n)			2	22.025529	-10	-46.652	97.750	0.1012	118.2968	12			
7643	HD 52265	PM	G0V			7	0.3005953	-5	-22.02964	97.750	0.0824	55.3725	53.92			
7644	LP 317-16	PM				10	51.984277	26	56.32541	97.750	0.1591	262.7979				
7645	LP 357-133	PM	K6V			4	4.2534224	26	34.411301	97.750	0.1410	117.5588	62.31			
7646	LP 386-16	PM	M6.5			16	26.588612	25	12.591059	97.750	0.1620	146.7597				
7647	UCAC4 283-055555	PM				9	43.00107	-33	-35.75967	97.750	0.2168	78.3885				

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
7648	17 Vir		F8V		4.09	12	22.533972	5	18.326824	97.779	0.1025	252.8398	4.8			Virginis
7649	2MASS J03440892+0111251	Brown dwarf	L2.9:V			3	44.148563	1	11.418057	97.779	0.1213	210.8695				
7650	G 77-44	PM				3	19.360915	-1	-32.05511	97.779	0.2528	146.2457				
7651	LP 651-57	PM				3	3.5444735	-3	-42.3689	97.779	0.2629	289.6404				
7652	HD 161897	PM	K0			17	41.111679	72	25.220694	97.808	0.1874	22.1608	-16.68			
7653	LP 931-54	PM				22	23.299987	-27	-9.254617	97.808	0.2569	200.0816	-586.5			
7654	LSPM J0253+6321	PM	M5.0			2	53.258842	63	21.109526	97.808	0.1221	122.3614				
7655	LSPM J0515+2839	White dwarf	DAH			5	15.892402	28	39.280107	97.808	0.1161	120.7859				
7656	Wolf 1438	BY Draconis variable	M1.5V			12	13.34107	16	41.661369	97.808	0.3954	227.6062	-15.21			
7657	2MASS J08264732+0250119	PM				8	26.788855	2	50.199943	97.838	0.0930	254.2017				
7658	2MASS J18025911-4126453	PM	M3			18	2.9854097	-41	-26.75827	97.838	0.0660	200.3466				
7659	HD 138573	PM	G5IV-V			15	32.727553	10	58.097996	97.838	0.0922	2.1468	-35.64			
7660	HD 17591	PM	G0			2	52.380213	63	24.587606	97.838	0.1221	122.1843	-10.17			
7661	LHS 1386	PM				2	18.690433	-39	-37.18129	97.838	0.2951	278.9279	19.97			
7662	LP 655-23	PM	M4.0V			4	30.867266	-8	-49.32435	97.838	0.0940	178.8560	1.73			
7663	TYC 3425-1133-1	RotV				9	19.014795	46	10.925584	97.838	0.0889	261.9376	2.59			
7664	UCAC2 18089690	PM				2	17.478381	-32	-13.26164	97.838	0.0429	82.6824	7.71			
7665	UCAC4 309-098901	PM				16	57.985943	-28	-17.11393	97.838	0.1289	153.7536				
7666	UCAC4 465-067367	PM				17	49.359516	2	48.28675	97.838	0.0837	268.9622				
7667	UCAC4 711-050463	PM				10	24.406769	52	9.3940933	97.838	0.0682	323.5076				
7668	CD-32 8858	PM	K6.5Vk:			12	40.762474	-33	-22.28556	97.867	0.1099	75.0483	-5.87			
7669	G 251-15	PM				6	46.561723	79	11.835027	97.867	0.1792	194.4703				
7670	gam Oph	PM	A1VnkA0mA0			17	47.892651	2	42.435533	97.867	0.0427	197.8138	-7.6			Ophiuchi
7671	Ross 772	PM	M3.0Ve			21	13.875149	18	5.9914081	97.867	0.2615	95.8085	-19.08			
7672	SCR J0919-4457	PM				9	19.701813	-44	-57.06199	97.867	0.1288	46.9461				
7673	TYC 2859-807-1	PM				3	4.8616506	44	53.463141	97.867	0.0844	133.2397	20.31			
7674	UCAC3 261-111074	Star				10	46.169064	40	18.233893	97.867	0.0193	132.8068				
7675	BD+06 2599B	PM	K5V:			12	22.525057	5	18.64778	97.897	0.1007	255.2716	3.75			Virginis
7676	BD+48 1606	PM	K5			8	5.0307745	48	14.32609	97.897	0.1390	213.4982	20.99			
7677	LHS 6411	PM				22	47.786013	66	23.626482	97.897	0.2761	323.8247	31.77			
7678	LSPM J0147+5504	PM				1	47.152434	55	4.4813651	97.897	0.2656	139.8826				
7679	UCAC2 36050588	PM	M1.9V			2	18.609755	12	18.960028	97.897	0.1080	123.4173	27			
7680	UCAC4 256-061812	PM				13	9.5172085	-38	-48.07574	97.897	0.3224	238.3418	-7.02			
7681	BD+75 551	PM	K5			15	1.0173751	75	15.712665	97.926	0.1829	249.8126	-18.94			
7682	HD 186061	PM	K2.5Vk:			19	44.87352	-52	-20.1803	97.926	0.0569	200.2650	22.22			
7683	LHS 2674	PM	M3/4			13	3.5805508	23	28.781365	97.926	0.3606	226.8051				
7684	TYC 8638-366-1	PM	M0-M1			11	43.523986	-57	-59.20926	97.926	0.2042	356.8530	17.65			
7685	HD 120237B	PM	K5V			13	48.917334	-35	-42.05712	97.956	0.3193	250.8212	3.09			
7686	LHS 1385	White dwarf	DA7.0			2	18.52508	-39	-36.55373	97.956	0.2957	279.1882				
7687	StKM 2-388a	PM	M2V			4	50.424118	19	59.188859	97.956	0.0837	163.9835	39.81			
7688	UCAC3 321-22218	PM	M1.0Ve			3	45.531818	70	18.001647	97.956	0.0802	277.1752	13.44			
7689	HD 167981	B	K3	Vk		18	19.092554	-35	-9.414313	97.985	0.0352	245.0024				
7690	LP 241-45	PM				0	42.366493	34	29.368306	97.985	0.1767	272.7045				

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
7691	NLTT 43732	PM	M7V			16	53.256237	0	0.2477887	97.985	0.1640	239.4110	-32.6			
7692	UCAC4 055-000615	PM				1	0.9339811	-79	-4.424955	97.985	0.2244	216.0727	43.35			
7693	Wolf 356	RotV	K4V			10	22.08653	36	55.412431	97.985	0.1750	149.3559	-16.8			
7694	CD-50 2948	PM	G5V			7	44.274599	-50	-27.99691	98.014	0.1054	38.0920	9.2			
7695	HD 125987	Star	A0V			14	25.126788	-61	-35.59356	98.014	0.0238	88.5594				
7696	HD 18387		F5V			2	56.33018	-28	-57.0369	98.014	0.0329	35.9233	6			
7697	HD 63008	PM	F9VFe-0.5			7	44.208534	-50	-27.40356	98.014	0.1068	38.5788	8.5			
7698	LHS 5129	PM	M6V			7	53.880385	8	54.0387	98.014	0.2767	119.3764				
7699	2MASS J20074590-1915527	PM				20	7.7650217	-19	-15.89378	98.044	0.3577	187.3563				
7700	HD 37986	PM	G8+VCN+1			5	41.894775	-15	-37.83251	98.044	0.1575	115.7953	59.16			
7701	L 597-31	PM	K7			6	32.146865	-27	-1.969527	98.044	0.2721	121.6851	73.72			
7702	LSPM J0716+7936S	PM				7	16.126047	79	36.589042	98.044	0.0926	277.1128				
7703	UCAC4 451-002420	PM	M3.0V			1	56.248518	0	6.1500101	98.044	0.0842	122.0358	83.99			
7704	UCAC4 507-050348	PM				10	18.85764	11	18.527104	98.044	0.0863	159.6246	38.68			
7705	2MASS J04532647-1751543	Brown dwarf	L3			4	53.441328	-17	-51.90529	98.073	0.0298	94.4846				
7706	HD 135144	PM	G5			15	12.296136	39	39.34683	98.073	0.1061	148.1016	-16.05			
7707	HD 208536	PM	K0			21	56.147776	34	33.027369	98.073	0.0698	252.6748	-12.72			
7708	HIP 112610	PM	K7V			22	48.592542	24	43.441737	98.073	0.1032	273.0921	17.2			
7709	LHS 414	PM				16	14.438201	2	14.819075	98.073	0.9298	248.0506				
7710	SSSPM J2400-2008	PM	M8.9V			23	59.960811	-20	-7.673402	98.073	0.3843	141.9723				
7711	2MASS J04314006+5501136	PM				4	31.667852	55	1.2216314	98.103	0.2039	174.9766	22.92			
7712	HD 209635	PM	F8V			22	7.8886009	-70	-17.1424	98.103	0.0436	278.8731	-12.77			
7713	HD 8389	PM	K0VCN+2			1	23.04398	-12	-57.96409	98.103	0.2692	93.1780	34.65			
7714	UCAC4 368-058106	PM	M4.0V			10	15.589151	-16	-28.3882	98.103	0.2790	67.4821				
7715	UCAC4 724-055804	PM	M3.5V			17	30.102764	54	39.539104	98.103	0.0863	18.5460				
7716	UPM J0250-0559	PM				2	50.671039	-5	-59.89126	98.133	0.0396	278.5914				
7717	2MASS J04165128+7410233	PM				4	16.855619	74	10.388882	98.162	0.1018	119.0057				
7718	2MASS J10204884-0633195	PM				10	20.813855	-6	-33.32625	98.162	0.1076	261.7869				
7719	G 241-20	PM				22	45.541182	63	15.729523	98.162	0.1356	45.5091				
7720	HD 30708	PM	G5			4	51.49071	35	48.908347	98.162	0.0696	170.0518	-55.69			
7721	HD 63332	PM	F6V			7	51.095187	54	7.7545448	98.162	0.0388	36.4385	1.33			
7722	LHS 3089	PM				15	35.08478	62	54.9278	98.162	0.3809	255.4191	-85.18			
7723	LHS 6140	PM	M2.5			8	13.477044	-32	-27.50845	98.162	0.2931	35.5009	65.17			
7724	PM J18073+0357	White dwarf	DA			18	7.3896041	3	57.030059	98.192	0.0739	178.8627				
7725	UCAC3 54-395449	PM				22	44.232349	-63	-26.22278	98.192	0.0884	26.5920	22.49			
7726	UCAC4 463-052673	PM	M3.0V			14	17.503456	2	33.725554	98.192	0.0409	201.5013	-28.29			
7727	HD 86140	PM	K2.5Vk:			9	54.584314	-58	-43.78867	98.221	0.3376	40.2127	-18.61			
7728	LSPM J0129+0817	PM				1	29.620549	8	17.733519	98.221	0.1802	202.3998				
7729	2MASSI J1357149-143852	Brown dwarf	M8.5V			13	57.248734	-14	-38.87911	98.251	0.1998	85.0807				
7730	G 189-22	PM	M2.5			22	30.72165	31	59.404486	98.251	0.1808	219.4634				
7731	G 272-50	PM	M2.5V			1	35.664283	-20	-3.707799	98.251	0.1512	117.4525	-10.82			
7732	HD 224808		K0			0	0.8017382	16	59.286814	98.251	0.1813	189.7363	-17.79			
7733	LP 19-311	PM				11	22.685126	78	41.826108	98.251	0.2262	66.5112				

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
7734	LP 222-50	PM	M2.5V			15	11.857756	39	33.035266	98.251	0.1057	148.0741				
7735	LSPM J1810+1130	PM				18	10.273041	11	30.599923	98.251	0.0992	351.6955				
7736	UCAC2 25218274	Star				20	28.671393	-17	-50.58259	98.251	0.0157	217.6332				
7737	LSPM J2215+4205	PM				22	15.65069	42	5.8121697	98.281	0.2797	99.6396				
7738	LTT 12657	PM	M0V			9	58.500703	67	3.2666962	98.281	0.1369	243.3005	5.97			
7739	SDSS J115756.68-004004.6	PM	M:			11	57.944538	0	40.078979	98.281	0.0922	248.1889				
7740	UCAC2 3828986	PM				4	7.0238323	-63	-13.73596	98.281	0.0357	270.4906	56.97			
7741	2MASS J15124058+3403501	Brown dwarf	L3			15	12.677022	34	3.8351648	98.310	0.1328	92.5114	-72			
7742	G 126-29	PM				21	43.511577	12	49.254835	98.310	0.1854	182.6201				
7743	HD 124498 (GJ 3831)	BY Draconis variable	K5.5Vkee			14	14.355944	-15	-21.36259	98.310	0.1573	230.2558				
7744	UCAC4 476-008149	PM				4	48.572407	5	0.8897413	98.310	0.1023	183.1159	-69.33			
7745	1RXS J085402.2-305139	low-mass	M4			8	54.039837	-30	-51.60979	98.340	0.1599	268.3042				
7746	2MASS J06235243+5137023	Brown dwarf	M8			6	23.874105	51	37.038114	98.340	0.2143	100.8692				
7747	2MASS J09165708-1120597	PM				9	16.95152	-11	-21.00335	98.340	0.2598	163.3664				
7748	2MASS J10220489+0200477	Brown dwarf	M9.0V			10	22.081494	2	0.796798	98.340	0.2646	203.2669	-3			
7749	2MASS J14035016-5923426	PM	M3			14	3.8361992	-59	-23.71538	98.340	0.2875	177.6819	-11.5			
7750	2MASSI J0328426+230205	Brown dwarf	L9.5			3	28.711	23	2.0866667	98.340	0.0357	167.7749				
7751	G 183-12	PM				17	56.809666	20	19.244173	98.340	0.1897	245.4412				
7752	LHS 3964	PM				23	31.765867	-42	-40.17431	98.340	0.3252	217.6885				
7753	LP 51-19	PM				1	2.6333554	68	58.418715	98.340	0.1050	201.3019				
7754	LP 626-11	White dwarf	DA			16	52.626529	-1	-13.94022	98.340	0.2260	160.1795				
7755	SCR J1919-0255	PM				19	19.398368	-2	-55.55682	98.340	0.1069	240.9836	-125.41			
7756	UCAC2 40468577	RotV				4	2.4070679	24	41.407012	98.340	0.1209	135.1591	10.39			
7757	UCAC4 240-180662	PM				21	24.028427	-42	-10.08807	98.340	0.2321	275.0904	32.6			
7758	G 109-51	PM	M4.5			7	13.369021	23	3.9715263	98.370	0.1391	276.0442				
7759	G 179-47	PM				15	43.904994	36	43.963293	98.370	0.1411	56.4185				
7760	HD 154518	PM	K3V			17	6.1367427	-6	-10.0346	98.370	0.0651	235.4905	-16.48			
7761	L 197-165	PM	M2.5			14	4.0044847	-59	-23.92373	98.370	0.2879	177.8461	-11.48			
7762	LP 137-37	PM	M1.0Ve			16	34.228758	54	23.664841	98.370	0.3441	24.4307	3.95			
7763	LSPM J1835+6421	PM				18	35.303874	64	21.294744	98.370	0.1025	49.6593				
7764	SCR J1821-5951	White dwarf	DC			18	21.992265	-59	-51.80866	98.370	0.2119	190.5303				
7765	UCAC4 581-129272	PM	M3.5V			22	41.596392	26	2.2149196	98.370	0.0368	19.3002				
7766	2MASSI J1711457+223204	Brown dwarf	L5.0+T5.5			17	11.762217	22	32.0735	98.399	0.0183	99.1623				
7767	HD 117939	PM	G4V			13	34.544164	-38	-54.43277	98.399	0.3463	131.4547	82.34			
7768	HD 171665	PM	G4V			18	37.213993	-25	-40.27605	98.399	0.1918	148.7583	-23.18			
7769	RX J1936.3+2632	White dwarf	DA			19	36.309586	26	32.929769	98.399	0.0038	237.7480				
7770	2MASS J20050639-6258034	low-mass	M5			20	5.1066521	-62	-58.0548	98.429	0.0459	161.6225				
7771	EPIC 215740191	PM				18	45.623647	-23	-37.82717	98.429	0.3334	162.1974				
7772	G 102-24	PM				5	42.495544	7	31.155794	98.429	0.1892	173.1083				
7773	HD 66751	PM	F8V			8	10.341227	69	43.504798	98.429	0.1164	305.8749	-12.7			
7774	HD 77407		G0V+M3V-M6V			9	3.4513938	37	50.458346	98.429	0.1067	207.4405	4.87			
7775	LP 301-17	PM				3	59.872939	30	9.2111964	98.429	0.1904	194.6207				
7776	LSPM J1155+4058	PM				11	55.818855	40	58.081511	98.429	0.1295	228.6975				

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
7777	LSR J1610-0040	low-mass M Sub-dwarf high metallic: Titanium & Calcium	sdM7			16	10.482604	0	40.888337	98.429	1.0000	226.6029	-97.89			
7778	SDSS J153451.02+464949.5	White dwarf	DC			15	34.8504	46	49.8255	98.429	0.2993	64.6803				
7779	TYC 7685-1655-1	PM				9	1.6777512	-41	-48.99446	98.429	0.0989	249.3149	32.61			
7780	BD+38 2847	PM	K3			16	50.906182	38	9.0219758	98.459	0.0418	331.1202	-19.7			
7781	G 250-25	PM	M3.5V			6	52.27684	62	46.972623	98.459	0.1452	189.9963	6.21			
7782	HAT 315-03900	RotV				7	25.589824	11	51.153082	98.459	0.0190	63.8433				
7783	LHS 3032	PM				15	10.9453	-14	-39.66307	98.459	0.3446	265.3475				
7784	nu 01 Dra	PM	kA3hF0mF0(IV-V)			17	32.17614	55	11.054528	98.459	0.0914	290.2277	-15.2			Draconis
7785	StM 258	PM	M3.5Ve			15	58.761207	34	48.910142	98.459	0.0463	129.1895				
7786	BD-05 3063	PM	K0V			10	26.687946	-6	-31.58177	98.489	0.3738	179.8976	32.5			
7787	G 229-27	PM				19	13.406827	60	40.179713	98.489	0.1653	71.4286				
7788	L 709-18	PM	M2			20	2.979716	-20	-27.3814	98.489	0.2062	206.2109	46.37			
7789	2MASS J05150524-0236518	Em				5	15.08737	-2	-36.86559	98.518	0.0148	215.3257				
7790	2MASS J07265213+6302073	PM				7	26.868302	63	2.1158627	98.518	0.2818	208.9412				
7791	2MASS J08130757-2926068	PM red / white dwarf stars Subasavage 2005				8	13.125714	-29	-26.11543	98.518	0.2968	251.7653				
7792	2MASS J21202493-7551287	PM				21	20.415287	-75	-51.47722	98.518	0.1038	138.3105				
7793	b03 Hya	PM	F6V			10	53.492197	-20	-8.323713	98.518	0.1467	161.1981	-4.08			Hydrae
7794	G 33-37	PM				1	7.3050742	17	31.106484	98.518	0.1952	279.4087				
7795	HD 174912	PM	F8			18	51.419658	38	37.594201	98.518	0.1899	277.7193	-13.09			
7796	PB 8040	White dwarf border line with Aquarii	DA4.7			23	52.532008	-2	-53.19583	98.518	0.4064	294.0873				Piscium
7797	TYC 4829-69-1	Star				7	29.920353	-5	-44.46981	98.518	0.0096	44.2623				
7798	UCAC3 132-11383	PM				4	18.107504	-24	-6.403145	98.518	0.0803	105.2952				
7799	UCAC4 413-119801	PM	M3.5V			19	10.555243	-7	-34.07048	98.518	0.1012	207.9867	57.08			
7800	UCAC4 584-032467	PM				6	41.68657	26	40.237216	98.518	0.2101	183.8317				
7801	2MASS J01502896+1818000	PM				1	50.48306	18	17.999624	98.548	0.1458	108.5495				
7802	2MASS J04534379-5836247	PM				4	53.729765	-58	-36.41256	98.548	0.0712	304.3370	20.9			
7803	BD+11 2687	PM	K5V			14	32.219812	11	21.192632	98.548	0.1054	341.5877	-44.16			
7804	G 88-45	PM				7	40.482681	19	55.924473	98.548	0.2277	225.4988				
7805	HD 128385	PM	F5			14	33.592413	65	23.725812	98.548	0.0404	307.4657	10.7			
7806	LP 472-40	PM				3	20.167599	11	57.543394	98.548	0.1274	102.7958				
7807	LP 788-49	PM	M2			9	51.38879	-17	-44.40804	98.548	0.2600	286.8669	79.1			
7808	LSPM J0616+7115	PM				6	16.108369	71	15.306396	98.548	0.1616	113.8858				
7809	LHS 6021	PM	M3V:			1	8.5464943	6	12.658412	98.578	0.2258	134.4782	7.1			
7810	LP 773-26	PM				3	40.732489	-20	-0.102587	98.578	0.1085	221.1012				
7811	SCR J1717-6916	PM Red & White dwarf stars Subasavage 2004				17	17.877923	-69	-16.7245	98.578	0.2696	40.0458				
7812	UCAC3 116-746	low-mass	M4.5			0	17.262042	-32	-19.89732	98.578	0.1231	94.0043				
7813	UCAC4 452-122109	PM				22	27.986926	0	23.492882	98.578	0.0910	288.3503				
7814	UPM J0603-1417	PM				6	3.2052181	-14	-17.88564	98.578	0.1077	261.9883				
7815	CD-69 2101	PM	K3V			23	31.013134	-69	-5.180669	98.608	0.1306	124.2547	3.95			

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
7816	G 127-42	PM	M3.5V			22	38.738586	25	13.50856	98.608	0.1664	270.2003	38.5			
7817	HD 196124	PM	K2			20	35.211748	6	7.6205719	98.608	0.2622	120.3222	-42.42			
7818	rho Cap (HD 194943) (HIP 101027)	subgiant B, C	F2 V	?, ?		20	28.860241	-17	-48.82116	98.608	0.0097	244.0502	18.4			Capricorni
7819	StKM 1-508	PM	K5			4	45.453497	9	38.456291	98.608	0.1084	125.9750	94.41			
7820	BD-12 3458	PM	K7V			11	34.840357	-13	-14.52137	98.638	0.1709	256.4410	82.87			
7821	EPIC 201590753	PM	M7			11	23.489325	1	54.065694	98.638	0.0952	83.5569	-87			
7822	HD 113578	PM	K3V			13	4.1289678	44	7.2838061	98.638	0.1862	74.9882	-17.43			
7823	HD 28005	PM	G0			4	27.411734	46	51.189216	98.638	0.1821	164.8943	34.71			
7824	kappa Del	PM	G2IV			20	39.129767	10	5.1713247	98.638	0.1862	275.9777	-54.37			Delphini
7825	LP 837-17	PM				5	43.255334	-25	-45.11693	98.638	0.2241	20.8480				
7826	UCAC3 155-132930	PM				12	15.911505	-12	-51.14688	98.638	0.0793	194.5047	90.14			
7827	UCAC4 416-131506	PM	M2.5V			19	31.644715	-6	-58.42842	98.638	0.3163	195.8060	10.53			
7828	2MASS J09130443-0733042	PM	M9			9	13.073774	-7	-33.07653	98.667	0.1439	184.0219				
7829	2MASSI J0021162-664405	Brown dwarf	M7::			0	21.27065	-66	-44.08647	98.667	0.0270	57.2628				
7830	BD-00 3182	PM	K7Vk			16	47.292841	-1	-11.33489	98.667	0.1423	183.8519	19.5			
7831	CCDM J00534-4114B	PM	M2+V			0	53.39592	-41	-14.38572	98.667	0.1196	168.6271				
7832	HD 48286	PM	F9VFe-0.5CH-0.4			6	42.086734	-15	-12.9152	98.667	0.1254	233.1519	30.3			
7833	LHS 1090	PM	M3.0V			0	31.359082	0	9.4868694	98.667	0.3109	282.0274	53.45			
7834	LHS 5058	PM	M2.5V			2	36.545799	-34	-36.52753	98.667	0.2924	141.8895	5.54			
7835	LSPM J0011+6837	PM				0	11.770718	68	37.417371	98.667	0.1342	251.7311				
7836	UCAC3 65-200211	PM				12	30.2768	-57	-37.32482	98.667	0.1450	266.7441				
7837	UCAC4 070-020389	PM				13	47.946712	-76	-10.33505	98.667	0.1090	278.9907	46.56			
7838	UPM J1551-3554	PM				15	51.202353	-35	-54.80681	98.667	0.1000	207.5919				
7839	Wolf 89	PM	K7.5Ve	M?		1	50.467612	18	17.775114	98.667	0.1470	108.1305	22.01			
7840	LP 164-63	PM				8	51.293699	46	6.0424425	98.697	0.2008	86.4344				
7841	MCC 746		K5V			15	33.913627	37	54.829086	98.697	0.0481	179.2072	26.6			
7842	UCAC3 65-200448	PM				12	30.8703	-57	-36.2654	98.697	0.1447	266.6276				
7843	WT 1841	PM				11	19.226057	-8	-31.62035	98.697	0.1981	85.4039				
7844	SCR 1637-3203	PM red / white dwarf stars Subasavage 2005	M			16	37.8425	-32	-3.191667	98.717	0.5870	221.6000				
7845	2MASS J04305157-0849007	PM	M8V			4	30.859675	-8	-49.01547	98.757	0.0919	180.7824				
7846	BD+40 3796	PM	K7V			19	35.857067	41	19.132422	98.757	0.1810	255.9231				
7847	GJ 9827 (BD-02 5958)	PM, b, c, d	K6V			23	27.080608	-1	-17.17636	98.787	0.2510	300.0506	32.1	3	0.3	Piscium
7848	lambda Boö	dwarf low abundance metal - Variable star of delta Sct type	A0Va_lB			14	16.383655	46	5.2980888	98.838	0.1437	49.6366	-7.9			Boötis
7849	2MASSI J2252014-181558	PM	M8.5			22	52.025213	-18	-15.98783	98.847	0.1962	159.7639				
7850	HD 75302	PM	G5V			8	49.208817	3	29.085339	98.907	0.0931	67.9730	10.25			
7851	2MASS J20591244-3427335	PM	M4.0			20	59.207894	-34	-27.56434	98.937	0.2174	130.0296				
7852	15 Del		F5 V			20	49.629456	12	32.707609	98.964	0.0642	331.3307	5.2			Delphini
7853	LP 858-23	PM	M4.5V			14	44.668638	-22	-14.76837	99.027	0.2071	197.7949	2			
7854	EGGR 127	pulsWhite dwarf	DA4.1			18	57.502953	33	57.429584	99.088	0.2067	353.1427				
7855	HD 81809 (GJ 344.0)		G1.5 V			9	27.779666	-6	-4.27137	99.088	0.1413	254.1917	55.68			Hydrae

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
7856	EPIC 211776456	PM	M8.6V			8	19.766822	16	58.896222	99.178	0.0974	259.2399				
7857	NLTT 24099	PM	M5V			10	21.317999	8	4.4468823	99.178	0.0873	234.3721	-9			
7858	2MASS J05431887+6422528	Brown dwarf	L2			5	43.315315	64	22.875872	99.208	0.1438	169.6114	18.64			
7859	EGGR 120	White dwarf	DA4.9			16	39.463694	33	25.370696	99.269	0.2717	182.5560				
7860	Ross 773B	PM	M4V			21	17.377552	20	53.976597	99.269	0.2456	314.8055	-36			
7861	GJ 4231	Flare	M2.4V			21	52.173632	5	37.59766	99.360	0.1116	141.5879	-15.1			
7862	kappa CrB		K1 Iva			15	51.232188	35	39.442785	99.360	0.2028	181.4056	-25.16			Coronae Borealis
7863	delta Cas Ruchbah Ksora	(Ruchbah) (variable)	A5 V			1	25.816667	6	14.116667	99.400	0.3000	99.0000	6.44			Cassiopeiae
7864	G 120-18	PM	M4V			11	9.9993675	21	33.378879	99.420	0.1786	190.3160	14			
7865	HD 217379		K6.5Vke			23	0.4658925	-26	-18.71325	99.511	0.1151	144.9814	14			
7866	2MASS J08513558+7727182	Brown dwarf	M8:			8	51.593728	77	27.304121	99.542	0.2094	223.6653				
7867	q Vel (HD 88955)		A2V		1.36	10	14.735965	-42	-7.31642	99.617	0.0927	72.0221	7.4			Velorum
7868	LHS 3375	PM	M4V			18	16.96303	4	41.735021	99.633	0.3351	174.4988	55			
7869	LP 832-7	PM	M3.5			3	23.11122	-24	-13.46635	99.664	0.1284	164.7676				
7870	Ross 773A	PM	M3V			21	17.379046	20	53.911409	99.664	0.2445	312.7682	-42.19			
7871	LSPM J1703+5910	low-mass	M7V			17	3.2367257	59	10.796303	99.694	0.3374	148.4939	-19.9			
7872	2MASS J06322402-5010349	Brown dwarf	L3			6	32.400391	-50	-10.58276	99.725	0.0542	89.8634				
7873	LP 105-469	PM	M3.5			19	57.221205	57	52.865904	99.755	0.1877	224.9043				
7874	LHS 6412	PM	M4			22	48.799835	45	20.303931	99.939	0.2448	155.0770				
7875	UCAC3 20-10272	PM				7	5.1551855	-80	-29.83291	99.969	0.2171	9.7480	24.38			
7876	2MASSI J1323521+301433	Brown dwarf	M8.5			13	23.868185	30	14.563256	100.031	0.4210	76.9245				
7877	LP 763-38	PM	M7.5Ve			23	37.24895	-8	-38.13732	100.031	0.1342	274.1894	-12			
7878	2MASS J00070787-2458042	Brown dwarf	M7.7V			0	7.1315313	-24	-58.07263	100.061	0.1152	107.7721				
7879	MCC 860		M2V			23	16.662012	19	37.285063	100.123	0.1470	225.0722	13.1			
7880	LHS 1427	PM	M4.5			2	37.769406	-7	-5.807545	100.154	0.2480	170.4460				
7881	LP 648-44	PM	M4.5			1	42.771984	-3	-9.06458	100.154	0.2453	110.6671				
7882	alpha Lac		A1 V		1.29	22	31.291652	50	16.949543	100.428	0.0806	277.0517	-4.5			Lacertae
7883	2MASS J03180602-2022297	PM	M4.0			3	18.100359	-20	-22.49688	100.525	0.1097	186.0356				
7884	Ton 953	White dwarf	DA6.6			8	49.157953	34	29.795561	100.649	0.0726	86.4518	12			
7885	LP 650-158	PM	M1.5			2	31.555165	-3	-56.38144	100.680	0.1124	272.2720	14.35			
7886	TYC 9458-1121-1	PM				18	53.44372	-75	-37.66309	100.680	0.1812	169.9548	-31.13			
7887	EGGR 447	White dwarf	DA5.8			21	13.765474	26	21.554463	100.742	0.2276	164.6697				
7888	LP 557-24	White dwarf	DC			13	13.218989	2	26.763672	100.867	0.4394	261.4751				
7889	alpha Gru (Al Na'Ir) Alnair		B5 V		0.2	22	8.2330788	-46	-57.65846	100.898	0.1131	139.3345	10.9			Gruis
7890	LP 768-566	PM	M5.4V			1	50.451819	-18	-51.60588	100.929	0.1697	171.5362	20.1			
7891	SCR 1808-8120	PM Red & White dwarf stars Subasavage 2004	M			18	8.001	-81	-20.81333	100.998	0.6800	200.0000				
7892	gamma Del	B	K2 IV	F8 V	4.3	20	46.645	16	7.633333	101.000	0.1152	187.5120	-7.24		0.033	Delphini
7893	2MASS J09564583-1910227	Star	L5pec			9	56.764067	-19	-10.3805	101.023	0.0603	74.8904				
7894	GJ 3613	Flare	M3V			10	38.496463	48	31.746743	101.086	0.1253	245.8757	15			
7895	2MASS J02562683+3549126	PM	M6.0			2	56.447168	35	49.209282	101.149	0.0737	244.2566				
7896	2MASSI J1336406+374323	Brown dwarf	L0.4V			13	36.676573	37	43.382458	101.149	0.1312	251.0232	-36			
7897	2MASS J14135981-0457483	PM	M8			14	13.996536	-4	-57.8091	101.212	0.1285	258.6503				

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
7898	66 Vir		K2V		3.37	13	24.55414	-5	-9.836031	101.252	0.0823	110.6058	8.9			Virginis
7899	epsilon Lib		F4V			15	24.198075	-10	-19.33571	101.336	0.0977	203.3294	-9.8			Librae
7900	LP 885-48	PM	M4.0			2	19.190915	-26	-23.32841	101.337	0.2346	126.6339				
7901	2MASS J03122509+0021585	PM	M7V			3	12.418423	0	21.973312	101.369	0.1048	99.2214	46			
7902	NLTT 27824	PM	M6V			11	34.263497	20	46.899095	101.401	0.1466	72.6056	27			
7903	GJ 10410A (DB+02 305A)	PM Border area with Ceti	M1V	M3V	13.84241474	1	59.206325	3	31.154748	101.464	0.1506	275.5346	-7.7			Piscium
7904	2MASS J03354535+0658058	Brown dwarf	M8.0V			3	35.755833	6	58.099155	101.495	0.2015	174.8175				
7905	LP 474-123	PM	K7V			4	7.7325199	14	13.409761	101.495	0.1361	132.1158	-18.59			
7906	BD+25 1804	PM	M3			8	10.904378	25	1.3737352	101.527	0.1797	235.0022				
7907	epsilon CrA		F2 V			18	58.723068	-37	-6.439621	101.531	0.0959	233.3347	57.9			Coronae Australis
7908	HD 193307 (HIP 100412)		F9 V		3.71	20	21.689333	-49	-59.92833	101.639	0.2540	234.9859	18.31			Telescopii
7909	BD+51 1878	PM	K5			13	53.988791	50	34.871043	101.654	0.1545	150.4777	-26.91			
7910	UCAC4 324-069538	PM	M3.5			13	38.426748	-25	-16.77935	101.654	0.1923	262.0854	-11.99			
7911	GD 50	White dwarf	DA1.2			3	48.836436	0	58.538169	101.685	0.1068	152.6113	87			
7912	48 G. Sgr (HD 167665) (HIP 89620)	B brown dwarf	F8V	L	4	18	17.395974	-28	-17.3367	101.766	0.1181	138.8762	7.79			Sagittarii
7913	2MASSW J1412244+163312	Brown dwarf	L0.5V			14	12.408182	16	33.195687	101.813	0.0698	171.6323				
7914	2MASSI J1801455+744229	PM	M7			18	1.7582793	74	42.485687	101.844	0.0725	181.8797				
7915	LP 651-58	PM	M6.5			3	3.5542187	-4	-1.906094	101.908	0.2101	187.8460				
7916	TYC 3142-1028-1	PM	M2.0V			19	21.534983	42	30.87222	101.940	0.0935	340.2731	-24.61			
7917	SCR 0247-6627	PM Red & White dwarf stars Subasavage 2004	M			2	47.089167	-66	-27.23833	101.975	0.7110	53.4000				
7918	2MASS J13475911-7610054	Brown dwarf	L0			13	47.984152	-76	-10.08742	102.036	0.1162	281.3094				
7919	beta Ret	triple star system, spectroscopic binary	K0IV SB		1.41	3	44.199767	-64	-48.41297	102.088	0.1855	283.8361	47.38			Reticuli
7920	EGGR 185	White dwarf	DA3.1			11	45.944501	31	49.511555	102.100	0.1770	210.3836	23.2			
7921	HD 175317 (HOIP 92882) (114 G. Sgr)		F5/F6IV/V		3.03	18	55.516758	-16	-22.59822	102.105	0.1085	188.2413	-45.09			Sagittarii
7922	2MASS J02273726+4710045	PM	M4.6V			2	27.621259	47	10.073409	102.132	0.1229	144.0543	-6			
7923	2MASS J12242443-5339088	PM	M5			12	24.407234	-53	-39.14716	102.132	0.1251	254.5167	-4.2			
7924	LHS 6392	PM	M4			22	2.5211238	0	17.167924	102.164	0.2851	114.2832				
7925	LP 326-34	PM	M3.5V			14	50.185445	32	18.281452	102.196	0.1124	176.0980				
7926	2MASS J07214625+1937444	PM	M7.5			7	21.770867	19	37.739842	102.260	0.0439	166.9516				
7927	GJ 540.2 (Ross 845)	Flare star	M5Ve		13.53249226	14	13.081025	-12	-1.446859	102.517	0.4218	238.2733	-164.62			Virginis
7928	G 43362	PM	M3.5Ve			8	44.755872	18	13.106907	102.550	0.2828	207.0394	39.93			
7929	HD 120066 (185 G. Vir)		G0V		3.9	13	46.952042	6	21.022436	102.592	0.3038	257.8148	-30.506			Virginis
7930	HD 192886 (HIP 100184)		F5V		3.78	20	19.29752	-47	-34.81742	102.606	0.1549	133.4770	-29.26			Telescopii
7931	HD 155974 (138 G. Sco)		F5.5V		3.55	17	16.360041	-35	-45.01783	102.661	0.2098	197.9372	-0.73			Scorpii
7932	lambda Psc		A7V		2.04	23	42.046727	1	46.802332	102.667	0.1169	220.0166	10			Piscium
7933	NLTT 44488	PM	M4.5			17	17.190065	-29	-10.10755	102.679	0.1634	236.4107				
7934	iota Dra Edasich Eldsich Tso Choo	Orange giant	K2 III		0.8	15	24.929578	57	57.96393	102.700	0.0100		-10.46	1g	0.033	Draconis

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
7935	delta Dra Aldib Altais Nodus Secundus	(Nodus Secundus)	G9 III		0.2	19	12.554977	67	39.692151	102.705	0.0777	314.2158	24.71		0.033	Draconis
7936	13 Tri		G0V		3.45	2	28.808241	29	55.905476	102.766	0.0566	42.7405	40.98			Trianguli
7937	UCAC4 286-217511	PM	M0.5			20	42.72417	-32	-55.30078	102.873	0.2425	114.8196	25.22			
7938	TYC 4525-194-1	RotV	M2.0V			6	18.121015	75	6.0547501	102.906	0.0455	33.1393				
7939	PG 1658+441	White dwarf	DAP1.6			16	59.80707	44	1.0673554	102.938	0.0602	17.8483				
7940	HD 184985 (HIP 96536) (212 G. Sgr)		F7V		3.01	19	37.573552	-14	-18.10819	102.940	0.1041	215.6428	-15.05			Sagittarii
7941	SCR 1512-4354	PM red / white dwarf stars Subasavage 2005	M			15	12.872167	-43	-54.205	102.953	0.4190	214.2000				
7942	SCR 2155-7330	PM Red & White dwarf stars Subasavage 2004	M			21	55.7925	-73	-30.40833	102.953	0.4590	202.0000				
7943	SCR 2212-7337	PM Red & White dwarf stars Subasavage 2004	M			22	12.091167	-73	-37.28667	102.953	0.4190	122.9000				
7944	UCAC4 746-051033	PM	M3.5			15	22.038902	59	1.282884	102.971	0.0807	184.5309	46.08			
7945	2MASS J00011217+1535355	Brown dwarf	L4			0	1.2027484	15	35.592408	103.003	0.1315	140.6070				
7946	CD-52 10005	PM				21	51.205564	-52	-15.67228	103.003	0.1983	130.8192	-16.52			
7947	GJ 3682	Flare	M4V			11	43.393333	25	18.23	103.101	0.1367	262.4215	0			
7948	LAWD 5	White dwarf	DA4.6			0	35.597301	1	53.143712	103.167	0.2273	201.7330	-2.8			
7949	PG 1159-098	White dwarf	DA5.3			12	2.1274245	-10	-4.660895	103.199	0.1243	239.2155	-4.8			
7950	111 G. Pup (n Pup)	B	F5V	F6V, ?	2.74	7	34.310278	-23	-28.4199	103.232	0.0520	269.7886	-6.5			Puppis
7951	2MASS J08315598+1025417	Brown dwarf	M9V			8	31.933139	10	25.69609	103.232	0.1068	200.6811	29			
7952	RBS 1877	PM	M3.5			22	37.249158	-26	-22.55295	103.232	0.0849	93.3465				
7953	HD 37124	has three planets (b, c & d)	G4V		5.07	5	37.0415	20	43.846667	103.253	0.2488	190.7285	-23.02	3	0.6	Tauri
7954	G 225-54	PM	M5.0V			16	16.703362	58	39.71103	103.265	0.1424	187.0845	-1			
7955	G 98-19	PM	M3.5			5	38.958111	30	26.040975	103.265	0.1588	190.3217				
7956	NLTT 34786	PM	M5V			13	39.265037	9	22.614814	103.265	0.1926	165.0751	31			
7957	2MASS J09212533+6017473	Brown dwarf	M9V			9	21.422885	60	17.786191	103.297	0.0780	116.1846	-1			
7958	2MASS J12025009+4204531	Brown dwarf	L0			12	2.8343334	42	4.8841044	103.363	0.2133	217.4654	-27			
7959	GJ 3515	Flare	M5V			8	50.843638	52	53.771811	103.363	0.1479	243.5511	4			
7960	EGGR 196	White dwarf	DA6.7			16	41.610102	15	12.63217	103.494	0.3904	178.2116				
7961	112 Psc		G2IV		3.43	2	0.152658	3	5.8208808	103.576	0.2008	138.0194	-18.65			Piscium
7962	2MASS J10595138-2113082	Brown dwarf	L2.8:V			10	59.857124	-21	-13.14307	103.626	0.1075	152.6265				
7963	HD 160934	Flare	K7Ve			17	38.660284	61	14.268374	103.626	0.0246	8.8349	-30.5			
7964	LP 851-410	PM	M3.5			11	58.329647	-22	-40.99595	103.725	0.0737	237.6009	-5.6			
7965	2MASS J01315597-0042237	low-mass	M4.5			1	31.932782	0	42.398455	103.758	0.0917	205.5750				
7966	LP 522-17	White dwarf	DA			23	12.101612	13	10.967837	103.758	0.1670	207.5797				
7967	LP 610-5	PM	M6.5V			10	21.855296	-3	-23.16435	103.791	0.1419	123.8608				
7968	eta UMa	Benetnasch, Alkaid, Elkeid	B3V SB		−0.60	13	47.540629	49	18.796003	103.824	0.0710	262.9850	-13.4			Ursae Majoris
7969	G 195-21	PM	M5V			9	17.455343	56	1.2949463	103.824	0.1522	123.8529	-42			
7970	UCAC4 395-130914	PM	M2.5V			22	58.273968	-11	-4.284515	103.923	0.0678	94.7232	16			
7971	SCR 1223-3654	PM red / white dwarf stars Subasavage 2005	M			12	23.1865	-36	-54.975	103.930	0.4610	279.4000				

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
7972	SCR 1345-5101	PM Red & White dwarf stars Subasavage 2004	M			13	45.691333	-51	-1.025	103.930	0.5270	168.4000				
7973	HD 130322 (HIP 72339)	b	K0V		5.68	14	47.545443		-16.88843	103.949	0.1116	222.9794	-12.43			Virginis
7974	HD 89389 (HIP 50606)		F8V		4.02	10	20.246737	53	46.764713	103.969	0.0640	68.7202	-20.119			Ursae Majoris
7975	PG 1310+583	White dwarf	DA4.7			13	12.965051	58	5.1881327	104.023	0.1209	113.2374	2			
7976	CFBDSIR 1458+1013A	Brown dwarf, B Brown dwarf	T8	Y0		14	58.483333	10	13.716667	104.089	0.2441	155.5000				Boötis
7977	NLTT 21377	PM	M5V			9	18.383166	60	37.519979	104.089	0.1078	76.8579	-4			
7978	HD 45701 (HIP 30480)		G3III/IV		3.94	6	24.443373	-63	-25.74037	104.105	0.0517	191.2694	25.09			Pictoris
7979	LAWD 32	White dwarf	DA3.8			9	46.651227	43	54.870589	104.123	0.1669	0.5057	49			
7980	HD 162396 (178 G. Sco)		F8V		3.62	17	52.8745	-41	-59.76333	104.183	0.1380	143.5703	-17.035			Scorpii
7981	46 Lmi (Praecipua)	B	K0 III	K0 IV		10	53.31141	34	12.894275	104.187	0.1728	161.4681	15.69			Leonis Minoris
7982	HD 230742	PM	K5			19	8.0440871	16	27.626068	104.256	0.1193	224.9899	-63.75			
7983	SSSPM J0204-3633	Brown dwarf	M8.1V			2	4.3687992	-36	-32.51209	104.256	0.1216	97.7129				
7984	epsilon For		G9V			3	1.6271747	-28	-5.489612	104.269	0.3023	148.4677	40.72			Fornacis
7985	Ross 493	PM	M1.5Ve			13	48.583414	56	20.135075	104.323	0.2130	74.9588	-31.01			
7986	HD 89307 Leo	Sun like	G0 V			10	18.354795	12	37.2665	104.386	0.1601	261.7659	23.29	1g	0.6	Leonis
7987	LP 102-243	PM	M4.5			17	45.800233	58	53.317064	104.423	0.1081	352.4639				
7988	SDSS J222153.14+115821.9	low-mass	M8V			22	21.885853	11	58.369053	104.490	0.1145	200.5664	-13			
7989	GJ 4363	Flare	M3V			23	49.250348	10	5.646214	104.524	0.2220	175.4594	30.39			
7990	BD-21 332	PM	M2Ve			1	53.189302	-21	-5.722039	104.591	0.1639	284.7455	14.48			
7991	UCAC4 180-048437	PM	M3.5			10	0.1426041	-54	-1.330679	104.591	0.1474	78.8994				
7992	2MASSI J1711135+232633	Brown dwarf	L0.5:V			17	11.225356	23	26.554017	104.658	0.0469	233.9968	-20.69			
7993	ksi (Nehushtan) Nanhai, Nan Hae[2] (ksi Ser) (HD 195876)	B C	F0 IIIp			17	37.586667	-15	-23.91667	104.781	0.0424	213.7607	-42.8			Serpentis
7994	2MASS J11593850+0057268	Brown dwarf	L0.4V			11	59.641479	0	57.444915	104.894	0.0126	99.6561	-48			
7995	LSPM J0124+2847	PM	M8			1	24.999069	28	47.977576	104.894	0.2333	96.4536				
7996	SCR J0133-7200	PM Red & White dwarf stars Subasavage 2004	M4.5			1	33.217564	-72	-0.071899	104.894	0.2469	174.3478				
7997	2MASS J10321706+0501032	Brown dwarf	M8.5			10	32.28448	5	1.0519178	104.928	0.0252	83.5185				
7998	G 225-51	PM	M3.0V			16	14.882706	60	38.472758	104.928	0.2578	354.8667				
7999	LP 856-48	PM	M2.5			14	10.878522	-23	-59.82291	104.928	0.2321	241.8070				
8000	GSC 06354-00357	RotV	M2			21	10.08929	-19	-19.96023	104.995	0.0746	135.1042	-5.5			
8001	[FS2003] 156	PM	M3.5			4	8.6719764	-27	-5.789403	105.063	0.0655	148.4873				
8002	2MASS J13285503+2114486	Brown dwarf	L4.1V			13	28.9173	21	14.81	105.097	0.2797	152.9020				
8003	G 247-14	PM	G/K			4	12.053344	62	34.361279	105.097	0.3319	153.0736	-0.27			
8004	GJ 3629	Flare	M3.0V			10	51.343283	36	7.4258333	105.097	0.1141	253.4127	13			
8005	GD 69	White dwarf	DA6.5			5	36.336912	41	29.927056	105.131	0.0827	75.4049				
8006	2MASS J23381868-4726132	Brown dwarf	M8:			23	38.311133	-47	-26.22495	105.165	0.0210	86.1872				
8007	LP 362-257	PM	M3.5			6	24.621142	26	8.5969581	105.165	0.1287	160.8727	-13.11			
8008	G 262-38	PM	M6V			21	17.365367	64	2.6576587	105.233	0.1975	93.8401	7			
8009	SCR 0802-2002	PM red / white dwarf stars Subasavage 2005	M			8	2.632	-20	-2.44	105.233	0.6700	139.9000				

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
8010	SCR 1437-4002	PM red / white dwarf stars Subasavage 2005	M			14	37.356833	-40	-2.848333	105.233	0.5250	230.1000				
8011	HE 1225+0038	White dwarf	DAZ			12	28.128791	0	22.327078	105.301	0.0625	29.7908	-24			
8012	2MUCD 11712	PM	M9.5V			17	33.315641	46	33.98734	105.335	0.1323	172.4119	-9			
8013	GD 262	White dwarf	DA			8	9.7695208	29	20.53736	105.335	0.1031	114.6761	-63			
8014	24 UMa	DK UMa; RS CVn variable	G4III-IV		1.99	9	34.482833	69	49.81	105.345	0.0586	39.9977	-27.07			Ursae Majoris
8015	UCAC4 415-142008	PM	M3.5			21	14.232634	-7	-2.835953	105.505	0.1764	183.9339				
8016	SCR 1443-5502	PM Red & White dwarf stars Subasavage 2004	M			14	43.433167	-55	-2.883333	105.559	0.4770	277.5000				
8017	G 181-32	PM	M2.5V			17	15.466468	30	52.365145	105.574	0.1689	223.8288				
8018	GJ 618.1 B	Brown dwarf	L2.4V			16	20.43604	-4	-16.52794	105.608	0.2413	267.4135				
8019	2MASS J23072655+8753294	Brown dwarf	L3:			23	7.4536408	87	53.493961	105.676	0.1050	189.6499				
8020	TYC 4150-1189-1	PM	M1.5			10	39.767213	65	45.351233	105.882	0.0849	272.8584				
8021	LP 931-53	PM	M1.5			22	23.233544	-27	-23.9629	106.055	0.2584	219.4897	102.78			
8022	omega Psc		F4IV		1.47	23	59.311451	6	51.799237	106.071	0.1096	126.2146	2.9			Piscium
8023	LP 156-58	PM	M4.5			4	26.2265	46	59.758333	106.124	0.1135	130.2191				
8024	gamma 2 Sgr (HD 165135)	Alnasl, Nash, Nushaba	K0+III			18	5.8079442	-30	-25.44395	106.196	0.1166	192.1934	22		0.016	Sagittae
8025	2MASS J15271929+4130449	PM	M6.5			15	27.321187	41	30.749248	106.262	0.0710	248.0311				
8026	2MASS J14304358+2915405	Brown dwarf	L1.5V			14	30.72621	29	15.678786	106.297	0.1405	56.5719	-84			
8027	2MASS J20334670-3733443	low-mass	M5.0			20	33.778596	-37	-33.74078	106.505	0.0781	145.8962				
8028	GSC 06513-00291	SB	M3.5			6	13.221961	-27	-42.09178	106.610	0.0083	246.8592	23.9			
8029	RX J2313.7+2117	CataclyV	M7.5V			23	13.788923	21	17.489015	106.645	0.1473	97.8210	-1.6			
8030	LP 207-55	White dwarf	DA			7	56.518641	41	39.849958	106.680	0.2050	180.8887				
8031	LP 368-99	PM	M3.5			8	52.747318	22	30.934623	106.715	0.0923	194.7884				
8032	LP 861-36	PM	M4.0			16	13.28662	-25	-38.23101	106.750	0.2188	277.8473				
8033	G 251-24	PM	M3.5			7	6.9097259	72	18.52517	106.785	0.1419	189.8261				
8034	G 69-59	PM	M1.5Ve			1	14.823712	25	19.011674	106.785	0.2457	117.7440	-24.81			
8035	G 86-37	PM	M3.5V			5	17.332971	32	7.5746603	106.785	0.1794	163.7081				
8036	HD 125184 (235 G. Vir)		G5/6V		3.89	14	18.012113	-7	-32.54353	106.853	0.2076	131.5689	-12.33			Virginis
8037	16 Psc		F6Vbwvar		3.22	23	36.388083	2	6.1332125	106.860	0.0711	59.8426	49.1			Piscium
8038	2MASS J21122153+8427303	Brown dwarf	M8			21	12.357611	84	27.503412	106.925	0.1839	350.5511				
8039	mu Aql	B C D E F Ae?	K3 IIIb	?		19	34.089215	7	22.736483	107.122	0.1539	126.3468	-24.81			Aquilae
8040	HD 171746 (HIP 91159)		G2 V	G2 V		18	35.886667	16	58.533333	107.136	0.0496	146.3844	8.1			Herculis
8041	HD 155826 (133 G. Sco)		G0V		3.52	17	15.598369	-38	-35.63615	107.157	0.2581	199.0481	-52.16			Scorpii
8042	2MASS J06405810+4944304	PM	M6V			6	40.9684	49	44.502784	107.206	0.0973	176.4366	0			
8043	EGGR 377	White dwarf	DA7.2			21	2.0445481	19	12.96118	107.206	0.1922	202.9599				
8044	alpha CVn A Cor Caroli (alf01 CVn)	(Cor Caroli) B	F2V	A0V	2.89	12	56.007194	38	18.891138	107.220	0.1406	75.2463	-0.76			Canum Venaticorum
8045	EGGR 94	White dwarf	DAZ5.9			12	59.777611	27	34.069003	107.383	0.1934	77.1585				
8046	53 Vir		F5.5V		2.48	13	12.058	-16	-11.875	107.429	0.1765	161.4518	-12.02			Virginis
8047	2MASS J05264348-4455455	Brown dwarf	M9.8V			5	26.724627	-44	-55.76012	107.454	0.0942	179.1341				
8048	RX J0342.5+1216		M5.2V+L0			3	42.530389	12	16.374709	107.489	0.1147	92.6556	35.4			
8049	beta Vol		K1 III			8	25.736667	-66	-8.216667	107.500	0.0910	193.2132			0.006	Volantis

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
8050	27 Psc		G8III	?	0.7	23	58.672887	-3	-33.35859	107.506	0.0528	219.5913	-0.2			Piscium
8051	tau 1 Gru		G0 V			22	53.632204	-48	-35.89708	107.562	0.1353	110.3727	-1.03			Gruis
8052	LP 787-49	White dwarf	DA5.0			9	29.71958	-17	-32.84469	107.596	0.2574	134.5296				
8053	2MASS J09352803-2934596	Brown dwarf	L0.3V			9	35.467261	-29	-34.98916	107.631	0.0406	4.4011				
8054	epsilon Oph		G9 III			16	18.321511	-4	-41.55046	107.660	0.0539	295.2279	-9.18		0.033	Ophiuchi
8055	GD 32	White dwarf	DA			2	40.840515	31	42.9407	107.774	0.1024	237.2188				
8056	hd 121325 (199 G. Vir)		F7/8V		3.54	13	54.971667	-8	-3.526667	107.774	0.1039	259.3561	-19			Virginis
8057	CD-29 12513 (67 G. Sco)		G0		2.91	16	24.662897	-29	-42.27949	107.809	0.0622	138.4791	-2.4			Scorpii
8058	HIP 2663		F8/G0V		3.62	0	33.730111	-35	-0.124575	107.881	0.3020	186.5535	29.46			Sculptoris
8059	2MASS J15230657-2347526	Brown dwarf	L0			15	23.109289	-23	-47.87782	107.881	0.0938	262.8956				
8060	2MASSW J2140293+162518	SB	M8+M9.5			21	40.488685	16	25.302572	107.881	0.0674	222.2979				
8061	109 Psc	subgiant b	G5IV		3.71	1	44.930418	20	4.9889376	108.010	0.0659	202.2817	-46.14	1	0.4	Piscium
8062	G 125-36	PM	M2.1V			19	50.265532	31	47.005809	108.096	0.2173	331.7200	-29.6			
8063	LP 476-207		M3.5V			5	1.9799032	9	58.988092	108.167	0.0439	170.7713	14.9			
8064	LP 638-40	PM	M3V			21	48.170338	1	26.708862	108.203	0.1316	98.3491	-21			
8065	UCAC4 418-154555	PM	M4.5V			23	31.793972	-6	-25.83979	108.275	0.0962	189.4704	14.53			
8066	1SWASP J235006.40+265952.1	PM	M4.0V			23	50.106759	26	59.865903	108.347	0.1119	104.6281	-0.7			
8067	eta Ant	B	F1 V			9	58.871258	-35	-53.46	108.381	0.0530	190.3000	30			Antliae
8068	HD 21693	has two planets (b & c)	G9IV		0	3	27.208033	-58	19.420805	108.449	0.1548	290.8389	39.52	2	0.3	Reticuli
8069	pi Psc		F0V		2.89	1	37.098643	12	8.5044192	108.470	0.0397	73.1411	-4.2			Piscium
8070	SCR 1327-3551	PM red / white dwarf stars Subasavage 2005	M			13	27.658667	-35	-51.025	108.491	0.5350	236.0000				
8071	NLTT 37131	PM	M5.0V			14	22.723428	16	24.773848	108.492	0.1142	75.8282	-21			
8072	lambda Hya		K0 III Cn			10	10.588143	-12	-21.24765	108.516	0.1337	251.1167	19.4			Hydrae
8073	G 46-26	PM	M4V			9	11.218888	1	27.302825	108.600	0.1800	184.7576	24			
8074	2MASS J12155348+0050498	Brown dwarf	M8V			12	15.891507	0	50.830297	108.636	0.2722	152.9401	9			
8075	EPIC 212820594	PM	M8			13	30.038604	-4	-53.34044	108.636	0.0461	264.9364				
8076	LP 856-26	White dwarf	DA5.2			13	59.130399	-23	-33.45303	108.709	0.1966	260.5413	-56.9			
8077	HD 141937	(gas giant)	G2			15	52.292469	-18	-26.16323	108.798	0.0576	281.1210	-3.36	1g	0.5	Librae
8078	EGGR 511	White dwarf	DA5.1			0	35.291869	-17	-18.85955	108.818	0.3581	90.3769	-3			
8079	G 46-27	PM	M4V			9	11.211749	1	27.58123	108.927	0.1819	183.7335	22			
8080	RX J0917.7+4612		M1.7V			9	17.745315	46	12.411036	108.963	0.0762	262.3266	-7.2			
8081	zeta For		F2 V			2	59.601667	-25	-16.45	108.972	0.1162	295.0616	29.09			Fornacis
8082	eta Her		G7 III		2.1	16	42.896077	39	55.333848	109.051	0.0509	155.8852	8.27		0.054	Herculis
8083	2MASS J23270216+2710367	PM	M5V			23	27.036314	27	10.614274	109.073	0.0837	308.1083	-4			
8084	ksi Dra		K2 III			17	53.528333	56	52.366667	109.089	0.0716	310.3339	-26.46			Draconis
8085	2MASS J22263689-0239502	PM	M6.5			22	26.615188	-2	-39.8378	109.109	0.1128	110.5046				
8086	SSSPM J0109-4955	Brown dwarf	M8			1	9.1532532	-49	-54.88551	109.109	0.0961	327.5348				
8087	HD 23079	b	F9.5V		4.4	3	39.718333	-52	-54.95	109.115	0.1243	244.4745	0.62	1	0.02	Reticuli
8088	2MASS J09474477+0224327	Brown dwarf	M8.2V			9	47.746349	2	24.54829	109.146	0.1133	213.4482				
8089	2MASS J16262034+3925190	Brown Sub-dwarf high metallic: Titanium & Calcium	sdL4			16	26.339	39	25.318333	109.146	0.7977	79.9194				

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
8090	gamma Gem (Alhena) Almeisam (HD 47105)		A1.5V+ C		-0.7	6	37.711842	16	23.956825	109.182	0.0330	165.8951	-12.63			Geminorum
8091	EGGR 64	White dwarf	DA5.8			9	16.679269	43	59.693199	109.219	0.1565	178.9652	74			
8092	TVLM 213-2005	PM	M7			10	21.456332	50	55.073303	109.219	0.2273	83.3788				
8093	80 Psc (e Psc)		F0III-IV		2.73	1	8.3700961	5	38.990421	109.260	0.1960	235.4211	10.9			Piscium
8094	HD 91312 (HIP 51658)		A7IV		2.04	10	33.233333	40	25.531667	109.267	0.0804	88.6842	9			Ursae Majoris
8095	38 Vir		F6V		3.55	12	53.1885	-3	-33.185	109.322	0.1528	269.1595	-7.3			Virginis
8096	HD 85390	b	K1.5V		5.9	9	50.041667	-49	-47.41667	109.322	0.0378	157.9866	33.03	1	0.3	Velorum
8097	2MASSI J1847034+552243		M6+M7			18	47.057083	55	22.722167	109.329	0.0809	116.5400				
8098	2MASS J10544168+1214084	PM	M7.5			10	54.694709	12	14.142161	109.439	0.0711	125.1660	-7			
8099	SCR 2051-1329	PM red / white dwarf stars Subasavage 2005	M			20	51.226167	-13	-29.27	109.469	0.6940	103.7000				
8100	HD 50571 (HIP 32775)		F5VFe+0.4 C		3.51	6	50.016833	-60	-14.965	109.586	0.0632	357.4306	22.1			Pictoris
8101	epsilon Vir Vindemiatrix		G8 IIIab		0.6	13	2.176667	10	57.55	109.600	0.1597	85.8305	-13.68		0.057	Virginis
8102	Ruiz 439-80	White dwarf	DA5.3			11	27.154208	-29	-40.18664	109.771	0.1981	142.3511	-2.7			Hydrae
8103	HD 102634 (9 G. Vir)		F7V		3.48	11	49.023333		-19.12024	109.840	0.1207	89.2132	1.29			Virginis
8104	LP 883-379	PM	M5.5			1	27.836008	-27	-58.79436	109.882	0.1401	171.3050				
8105	HD 99747 (HIP 56035)		F5Vawvar		3.24	11	29.076051	61	46.702015	110.001	0.1537	25.6461	-9.48			Ursae Majoris
8106	HD 132375		F8V			14	58.88	-4	-59.35	110.030	0.2188	253.8506	-24.32			Librae
8107	SCR 0730-5707	PM Red & White dwarf stars Subasavage 2004	M			7	30.185167	-57	-7.706667	110.120	0.5050	82.7000				
8108	2MASS J15004572+4219448	Brown dwarf	M8.4V			15	0.7620415	42	19.748944	110.366	0.0880	117.1677				
8109	LP 644-94	PM	M2.5V			0	9.2256134	-4	-8.036022	110.366	0.1182	251.8758	14.3			
8110	SDSS J150026.34-003927.9	low-mass	M7V			15	0.4387485	0	39.466742	110.366	0.1136	69.5567	-13			
8111	2MASS J02594789-0913109		M4.0			2	59.798774	-9	-13.1938	110.403	0.3544	152.5532				
8112	gamma UMa Phad	B	A0 Ve SB	K2V	0.2	11	53.830581	53	41.686799	110.489	0.0562	272.3539	-11.9			Ursae Majoris
8113	gamma Tri	dwarf	A1 Vnn			2	17.315	33	50.83333	110.618	0.0400	138.6959	9.9			Trianguli
8114	LP 261-75	low-mass	M4.5Ve			9	51.076261	35	58.157761	110.628	0.1159	210.4416	10.2			
8115	SCR 1529-4238	PM red / white dwarf stars Subasavage 2005	M			15	29.9385	-42	-38.64833	110.772	0.4470	243.2000				
8116	LP 230-35	low-mass				19	14.358025	43	9.0116046	110.779	0.1119	266.5320	-77.36			
8117	HIP 4208	b	G7V		5.22	0	44.444175	-26	-30.94092	110.816	0.2021	295.4543		1	0.6	Sculptoris
8118	V* LR Tau	Flare	M4.0V			3	42.887583	23	26.8265	110.816	0.1078	108.7790	35.55			
8119	V* CE Ant	TTau	M2Ve			10	42.501702	-33	-40.27045	110.854	0.0701	260.5242	11.4			
8120	SIPS J0235-0711	low-mass	M7V			2	35.82654	-7	-11.35198	111.081	0.1645	285.1373	32			
8121	LSPM J0657+4029	PM	M8			6	57.929489	40	29.695209	111.270	0.1581	179.9285				
8122	G 246-44	PM				3	43.8895	63	39.899301	111.385	0.5709	144.7054	29.05			
8123	2MASS J13484591+0353545	Brown dwarf	L1			13	48.765231	3	53.911381	111.423	0.2419	153.5874	-123			
8124	LP 149-35	PM	M6.4V			0	12.953336	50	59.289405	111.423	0.1695	277.1551	3			
8125	HD 119992 (HIP 67103)		F7IV-V		3.84	13	45.220213	55	52.760828	111.431	0.2182	163.7429	-5.06			Ursae Majoris
8126	G 185-16	PM	M4			19	20.460143	27	43.056675	111.461	0.2028	222.7082				
8127	kappa Peg	B	F5	K0		21	44.645587	25	38.702265	111.499	0.0292	286.5364	-0.8		0.036	Pegasi
8128	2MASS J15474719-2423493	Brown dwarf	M9.0V			15	47.78649	-24	-23.82618	111.575	0.1127	226.7598	-6.52			

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
8129	2MASS J18355276+1659057	PM	M3.5			18	35.87947	16	59.094385	111.575	0.0494	141.8235				
8130	HD 120559	PM	G7VFe-1.4CH-1			13	51.673163	-57	-26.13822	111.614	0.3193	220.0384	18.3			
8131	2MASS J02461887+4311065	PM	M4.0			2	46.314393	43	11.106811	111.652	0.0778	195.8327				
8132	2MASS J01202841+3302388	PM	M6.0			1	20.473529	33	2.6435288	111.728	0.1593	278.4443				
8133	zeta Lup		G8III			15	12.284958	-52	-5.954755	111.782	0.0787	237.3698	-10			Lupi
8134	LP 62-451	White dwarf	DA			10	48.030701	63	34.813295	111.882	0.1727	241.7959				
8135	LSPM J0240+2832	PM	M7.5			2	40.491885	28	32.952957	111.882	0.1173	164.5050				
8136	2MASSW J0051107-154417	Brown dwarf	L6			0	51.179885	-15	-44.28279	111.959	0.0444	113.2310				
8137	2MASS J21574904-5534420	Brown dwarf	L2			21	57.817539	-55	-34.69985	112.036	0.0296	112.6766				
8138	UCAC3 176-23654	PM	M3			5	33.997029	-2	-21.53974	112.036	0.0345	170.5517	21			
8139	upsilon UMa	(delta scuti var) B	F2 IV		1.04	9	50.989277	59	2.324094	112.070	0.1924	242.6420	27.3		0.011	Ursae Majoris
8140	SCR 1552-7052	PM Red & White dwarf stars Subasavage 2004	M			15	52.7825	-70	-52.04	112.401	0.4680	216.0000				
8141	2MASS J01194441-6842455	PM	M4.0			1	19.740829	-68	-42.76162	112.422	0.1169	100.0044				
8142	G 51-27	PM				8	50.700388	34	38.729819	112.422	0.5405	221.7115				
8143	CPD-76769	PM	K2.5Vk:			13	33.311188	-77	-34.41388	112.461	0.2323	248.0209	-28.55			Chamaeleontis
8144	2MASSI J1024099+181553	PM	M8			10	24.165907	18	15.882342	112.500	0.1048	246.4939	6			
8145	2MASS J21572060+8340575	Brown dwarf	L0			21	57.344998	83	40.959634	112.539	0.0677	291.8592				
8146	SDSS J082720.21+450203.5	low-mass	M8V			8	27.33729	45	2.0615707	112.539	0.2222	215.1026	-7			
8147	2MASS J20495952-2800075	PM				20	49.991821	-28	-0.127394	112.578	0.1090	274.2451				
8148	2MUCD 10172	PM	M7.5			3	14.668412	-4	-50.53259	112.578	0.0804	221.1521				
8149	V* V1311 Ori	BY Draconis variable	M1.5V			5	32.07498	-3	-5.492394	112.578	0.0196	156.5355	24.45			
8150	G 102-45	PM	M2.5			6	4.976109	15	59.439297	112.695	0.1237	181.1985	-4			
8151	EGGR 298	White dwarf	DA6.8			14	58.108967	29	37.449	112.734	0.3573	166.8236				
8152	G 103-29	PM	M4.0V			6	18.580289	25	3.0957106	112.773	0.1889	177.9201	7.38			
8153	LP 587-58	PM	M7V			1	24.520769	0	27.931888	112.773	0.1084	158.7262				
8154	CD-27 10303	PM	K7Ve			15	17.351528	-27	-59.83776	112.812	0.1192	255.9726	-15.83			
8155	2MASS J07032698+4632169	PM	M8			7	3.449586	46	32.279402	112.851	0.0830	203.8380				
8156	2MASSI J1028404-143843	Brown dwarf	M7			10	28.673891	-14	-38.73788	112.929	0.1055	172.7700				
8157	HD 71196 (HIP 41282)		F2/F3V		3.36	8	25.317	-21	-2.766667	112.947	0.0408	28.9931	0.85			Puppis
8158	2MASS J06022216+6336391	Brown dwarf	L2			6	2.3697836	63	36.646391	112.968	0.1322	186.3311				
8159	HD 92788	b	G5		4.76	10	42.808833	-2	-11.025	113.015	0.1302	183.8769	-4.33	1	0.4	Sextantis
8160	G 211-9	PM	M4.5V			21	2.7682181	34	54.593228	113.046	0.2106	138.8063	-57.83			
8161	beta Car (Miaplacidus)		A1 IV		-1	9	13.2	-69	-43.03333	113.046	0.1109	55.1505	-5.1			Carinae
8162	DENIS J004135.3-562112	Brown dwarf	M7.5e			0	41.589813	-56	-21.21309	113.086	0.0749	120.1074	5			
8163	delta Aqr (Skat)		A3 V		1.2	22	54.65019	-15	-49.24747	113.150	0.0297	229.6709	17.4			Aquarii
8164	2MASSI J2338541-124618	Brown dwarf	M6.5			23	38.902391	-12	-46.30504	113.204	0.0977	95.4744				
8165	LP 814-44	PM	K8V			20	17.87299	-17	-17.15047	113.204	0.1788	186.6029	-6.19			
8166	BD+44 4419B	PM	M4.5			23	26.660863	45	21.232304	113.282	0.2626	286.1094	-1.23			
8167	9 UMi		G0		4	15	0.4618333	71	45.915	113.415	0.2408	78.7983	-49.42			Ursae Minoris
8168	G 72-40	White dwarf	DA6.5			1	52.865683	25	53.677521	113.519	0.1264	281.7345				
8169	G 82-11	PM	M4V			4	19.347167	4	36.84	113.519	0.1858	156.5658	64			
8170	HD 25621 (34 G. Tau)		F6V		2.66	4	4.1631667	2	49.635	113.533	0.1131	129.8193	-18.3			Tauri

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
8171	HD 25570 (33 G. Tau)	Hyades star cluster	F2V		2.67	4	3.9418333	8	11.831667	113.533	0.0971	279.1904	38.2			Tauri
8172	GJ 2006 B	PM	M3.5			0	27.83923	-32	-33.40215	113.598	0.0703	111.6929	8.5			
8173	LP 852-49	PM				12	26.5005	-27	-17.18377	113.638	0.2140	154.0909	18.45			
8174	GD 340	White dwarf	DA4.8			15	9.6477109	63	32.424607	113.678	0.0749	219.4922				
8175	GJ 2006 A	PM	M4			0	27.837227	-32	-33.10506	113.678	0.0696	113.3415	9.5			
8176	2MASS J11052425+5005414	PM	M5V			11	5.4038211	50	5.6897404	113.717	0.0997	269.6181	-17			
8177	theta Cet (Altawk) (tet Cet)		K0 III			1	24.023447	-8	-10.99506	113.741	0.1272	201.3175	17.2			Ceti
8178	G 104-51	PM	M3.5			6	38.876473	22	55.26451	113.757	0.1930	202.9712				
8179	UCAC4 480-122463	PM	M2.5V			20	17.722325	5	59.286685	113.757	0.1169	279.8478	-4			
8180	LP 276-29	PM	M4.6V			16	51.166123	35	55.115796	113.797	0.1107	22.9714	-37.6			
8181	ksi Hya		G7 III			11	33.001667	-31	-51.46667	113.876	0.1223	258.6667	-4.9			Hydrae
8182	2MASS J09165078+2448559	PM	M4.5			9	16.846324	24	48.932956	113.876	0.0827	209.4235				
8183	V* AF Psc	Flare	M4.5			23	31.748756	-2	-44.65901	113.876	0.0689	127.3858	-5.9			
8184	G 142-20	White dwarf	DA			19	14.601833	14	28.423333	113.916	0.2453	195.6841				
8185	2MASS J17281134+0839590	Brown dwarf	M9.8V			17	28.189064	8	39.984611	114.076	0.0965	169.3601				
8186	2MASS J12565688+0146163	Brown dwarf	L1.6V			12	56.948181	1	46.272969	114.116	0.1239	259.4206				
8187	2MASS J03153783+3724143	TTau	M2.7V			3	15.630903	37	24.237223	114.156	0.1310	112.0278	27.5			
8188	HD 110536	PM	K1/2V			12	42.934769	-2	-15.06598	114.276	0.1218	74.8355	-9.66			
8189	HR 2968 (HIP 36395)		F8V		3.39	7	29.366333	-14	-59.885	114.316	0.1731	219.0562	-4.6			Puppis
8190	BD-04 782	PM	K5V			4	15.158907	-4	-25.10635	114.316	0.0768	136.8173	24.32			
8191	LP 244-8	White dwarf	DA			1	48.674142	36	15.516255	114.396	0.1342	181.2708				
8192	nu tau (Furibundus)		A0.5Va			4	3.1562796	5	59.358512	114.417	0.0035	128.6894	-5.7			Tauri
8193	GR 9 Scl		M5			0	28.23918	-32	-27.92703	114.436	0.0702	111.6683	5.9			Sculptoris
8194	22 Leo (g Leo)		A5 IV			9	51.883415	24	23.718504	114.505	0.0960	169.7821	-1.8			Leonis
8195	LP 930-49	PM	M2.0			21	50.688941	-30	-9.896779	114.517	0.2170	144.2512	-40.8			
8196	2MASS J06003375-3314268	PM	M7.5			6	0.562688	-33	-14.44625	114.557	0.0747	3.6362				
8197	2MASS J20363026-3131224	PM	M6.0			20	36.504083	-31	-31.37454	114.597	0.0588	268.6554				
8198	HD 106515 A	b	G5		0	12	15.116667	-7	-15.43333	114.638	0.1484	258.1711	21.6	1	0.3	Virginis
8199	SCR 1507-3611	PM red / white dwarf stars Subasavage 2005	M			15	7.8418333	-36	-11.82833	114.682	0.4070	271.6000				
8200	theta Hya		B9.5 V			9	14.36444	2	18.860637	114.711	0.2047	158.6418	-10.7			Hydrae
8201	CBS 67	White dwarf	DA			8	9.1868412	35	27.951356	114.759	0.0590	212.3980	9			
8202	HD 218630		F5IV			23	9.9560136	-42	51.675494	114.763	0.2056	261.6874	13.8			Gruis
8203	mu Peg (Sadalbari)		M2			22	50.003125	24	36.094273	114.779	0.0903	105.0085	13.54			Pegasi
8204	42 Cap	B	G2 V	G0 V		21	41.547656	-14	-2.856995	114.788	0.1933	201.5352	-1.2			Capricorni
8205	zeta Eri (HD 20320) (HIP 15197)		A4hA9mA9V k			3	15.83333	-8	-49.18333	114.969	0.0269	3.1325	-5.8		0.02	Eridani
8206	HD 170829		G8 IV			18	30.693333	20	48.916667	114.977	0.1543	176.3896	-65			Herculis
8207	2MASS J12594090+3558134	PM	M4V			12	59.681438	35	58.229184	115.002	0.1041	63.0022	-3			
8208	HD 40292 (HIP 27947)		F1V C		2.58	5	54.834864	-52	-38.12888	115.079	0.1423	4.1753	27			Pictoris
8209	2MASSI J1546054+374946	Flare	M7.5V			15	46.090166	37	49.765068	115.083	0.0795	196.4118	-22.1			
8210	LP 814-45	PM	M2.5V			20	18.243093	-20	-12.79525	115.205	0.2078	116.2502	-9.76			

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
8211	eta Cet (Deneb Algenubi) Algenudi		K1.5 III			1	8.59	-10	-10.93333	115.273	0.1505	122.7913	11.1			Ceti
8212	LSPM J1352+1053	White dwarf	DA			13	52.196437	10	53.86452	115.368	0.1794	231.8732				
8213	LP 796-30	PM	M3.5			13	1.7514425	-19	-18.36808	115.491	0.1610	268.6002				
8214	67 UMa	DP UMa; delta Sct variable	F0Vam C		2.57	12	2.1176667	43	2.7283333	115.519	0.1907	74.8032	3			Ursae Majoris
8215	GJ 3275	Flare star	M3		12.9851667	4	22.137437	19	15.36565	115.696	0.0620	251.1334				Tauri
8216	UCAC4 417-005910	SB	M4.0V			4	24.710316	-6	-47.52292	115.778	0.0859	273.3587	13.05			
8217	HD 142415	b planet	G1V			15	57.679845	-60	-12.01543	115.882	0.0884	227.9248	-11.82	1g	0.6	Normae
8218	2MASS J03251116+1300334	PM	M6V			3	25.186	13	0.5583333	115.943	0.1142	93.5035	27			
8219	L 175-9	PM				2	55.69829	-55	-11.43161	115.943	0.2255	306.3047	33.32			
8220	2MASS J07504838-2931126	PM	M4			7	50.806368	-29	-31.20902	115.984	0.0526	78.1411				
8221	SCR 1940-3944	PM red / white dwarf stars Subasavage 2005	M			19	40.355167	-39	-44.17833	115.985	0.5250	167.5000				
8222	mu 1 Boö (Alkalurops)	B	F0 IV	dG1	2	15	24.490519	37	22.628199	116.027	0.1027	57.8362	-8.6			Boötis
8223	HD 165438 (20 G. Ser Cau)	Red Giant Branch Star	K1IV		3.02	18	6.2532881	-4	-45.07524	116.175	0.0850	102.1981	-26.75			Serpentis
8224	LP 728-52	PM	M7			9	34.486528	-13	-52.72708	116.399	0.1562	243.2591				
8225	G 174-4	PM	M2.0Ve			2	34.5782	56	36.760862	116.482	0.1400	157.8031	9.96			
8226	LP 435-109	White dwarf	DC			12	26.32957	18	36.574266	116.565	0.0922	261.9706				
8227	tau CrB		K1 III-IV			16	8.9716918	36	29.456233	116.565	0.1992	6.2061	-18.4			Coronae Borealis
8228	e Uma (18 Uma)	DD UMa; delta Sct variable	A5V		2	9	16.188	54	1.3033333	116.604	0.0450	321.1749	-17.5			Ursae Majoris
8229	2MASS J08041429+0330474	Brown dwarf	M9.7V			8	4.23822	3	30.790272	116.649	0.0123	234.2812				
8230	alpha Hor	giant	K1 III			4	14.000875	-42	-17.66	116.676	0.1208	168.0524	21.6		0.006	Horologii
8231	HD 75616	Star	F5			8	53.101591	52	23.413745	116.732	0.0287	46.4918	-6.47			
8232	LSPM J1028+7408	PM	M7			10	28.512691	74	8.6848053	116.732	0.1142	245.6849				
8233	zeta Pic		F7III-IV		2.65	5	19.368923	-50	-36.35796	116.739	0.1330	354.0658	44.51			Pictoris
8234	2MASSI J0953212-101420	Brown dwarf	L0.0V			9	53.354557	-10	-14.34451	116.816	0.0617	231.0010				
8235	tau Sgr (Hecatebolus)	giant	K1+IIIb		0.48	19	6.94	-27	-40.2333	116.843	0.1466	192.5689	45.4		0.006	Sagittae
8236	2MASS J01473282-4954478	Brown dwarf	M8			1	47.546762	-49	-54.79868	116.858	0.1598	189.9421				
8237	G 111-5	PM	M4.5			7	29.804579	41	13.457687	116.942	0.1276	116.1613				
8238	SCR 1132-4039	PM red / white dwarf stars Subasavage 2005	M			11	32.965333	-40	-39.35667	116.962	0.7250	296.8000				
8239	SCR 1948-5914	PM Red & White dwarf stars Subasavage 2004	M			19	48.980333	-59	-14.38833	116.962	0.4150	151.7000				
8240	EGGR 519	White dwarf	DA5.3			1	45.187131	31	32.726074	116.984	0.2008	115.2138	3.77			
8241	mu Vel	Peregrini, Alherem, Al Haram	G5III SB		−0.06	10	46.768667	-49	-25.20833	117.026	0.0484	130.6125	6.2		0.107	Velorum
8242	G 129-45	PM	M1.5V			23	56.913932	23	5.1404231	117.152	0.1588	195.0756	-18.82			
8243	NLTT 48508	PM	M3V			19	58.245009	9	55.062586	117.236	0.0959	308.2589	-18			
8244	HD 89569 (HIP 50493)		F6V		3.03	10	18.631798	-56	-6.623608	117.252	0.1542	64.1098	12.67			Velorum
8245	EGGR 328	White dwarf	DA5.9			16	38.90785	5	40.693792	117.279	0.3059	216.0751	-10.4			
8246	PG 1407+425	White dwarf	DA5.0			14	9.7539908	42	16.010915	117.279	0.0100	234.6713	15			
8247	SCR 0824-6721	PM Red & White dwarf stars Subasavage 2004	M			8	24.053333	-67	-21.84167	117.288	0.4030	288.9000				
8248	mu Tel (HIP 95932)		F5 V			19	30.576867	-55	-6.60324	117.566	0.0233	106.3074	8.86		0.0362	Telescopii

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
8249	HD 152303 (HIP 81854)		F4V		3.21	16	43.102333	77	30.808333	117.617	0.1249	344.7020	7.4			Ursae Minoris
8250	LP 217-47	White dwarf	DQ			12	37.87052	41	56.411429	117.787	0.2868	45.0928	-90			
8251	HD 44120 (HIP 29788)		F9,5V		3.64	6	16.314	-59	-12.76333	117.789	0.1861	188.1671	-1.98			Pictoris
8252	HD 186185 (226 G. Sgr)		F6IV-V		2.67	19	43.5575	-15	-28.18	117.827	0.1463	144.4345	17.93			Sagittarii
8253	UCAC4 279-004951	PM	M3.5			4	35.484509	-34	-22.1132	117.873	0.2932	204.7182				
8254	HD 7199	b	K1IV/V		0	1	10.783333	-66	-11.28333	117.910	0.0963	138.1264	5.63	1	0.3	Tucanae
8255	2MASS J00165953-4056541	Brown dwarf	L5.5			0	16.992309	-40	-56.8987	117.915	0.1243	274.8865				
8256	2MASS J08002758+5511346	Brown dwarf	L1			8	0.4598767	55	11.57528	117.915	0.0576	189.1023	-66			
8257	HD 73121 (HIP 42123)		F9.5V		3.64	8	35.208	-39	-58.23333	117.965	0.0495	300.4262	33.908			Velorum
8258	ksi Vir	White dwarf	A4 V		2.02	11	45.284019	8	15.486967	117.991	0.0367	113.7236	-0.5			Virginis
8259	G 246-14	PM				2	51.574448	59	22.542107	118.086	0.3520	139.1311	33.11			
8260	gamma Equ (gam Equ)		A9VpSrCrEu C			21	10.341668	10	7.894605	118.258	0.0934	162.3333	-16.5			Equulei
8261	HD 136442 (10 G. Ser Cap)	Red Giant Branch Star	K2 III		3.5	15	20.78368	-2	-24.80009	118.371	0.1818	236.5282	-46.81			Serpentis
8262	WDS J12489+1206E	PM	M4.5V			12	48.890782	12	4.5458002	118.559	0.1581	121.3074	8			
8263	alpha CrA Alphekka Meridiana (HD 178253) (HIP 94114)		A2V a			19	9.472362	-37	-54.26847	118.590	0.0742	138.2972	-18.4			Coronae Australis
8264	2MASS J13384944+0437315	Brown dwarf	L0.0V			13	38.824051	4	37.526679	118.775	0.1488	156.6059	-54			
8265	16 Cep		F5 V			21	59.24943	73	10.79358	118.819	0.1008	202.9562	-20.6			Cephei
8266	HD 89221 (HIP 50485)		G5		3.72	10	18.5485	43	2.9183333	118.853	0.0859	237.6745	-8.714			Ursae Majoris
8267	2MASSI J1231214+495923	Brown dwarf	L3.4V			12	31.356988	49	59.387651	118.862	0.0313	253.2158	-69			
8268	UCAC4 547-141905	PM	M3.0V			22	43.729694	19	16.899478	118.862	0.0627	206.9122	45.06			
8269	G 53-34	PM	M4V			10	13.736682	0	0.6582576	118.905	0.2499	130.8894	6			
8270	2MASS J14384542+5559134	PM	M7			14	38.757164	55	59.222691	118.949	0.0574	219.2196				
8271	omega Eri 1 (Beid) (omi 1 Eri) (HD 26574) HIP 19587)	Giant	F0III			4	11.86566	-6	-50.25482	119.029	0.0480	353.2581	11			Eridani
8272	2MASS J12022564-0629026	PM	M9			12	2.4275535	-6	-29.04519	119.035	0.0741	134.2564				
8273	LP 413-53	PM	M9.0V			3	50.956639	18	18.112321	119.166	0.1068	102.0997	32.2			
8274	StM 20	PM	M2.5V			3	3.3556735	-8	-5.260383	119.384	0.0690	100.5917	31.7			
8275	rho 3 Ari 46		F6 V			2	56.435915	18	1.3871333	119.535	0.2034	131.4735	12.59			Arietis
8276	UCAC4 552-042254	PM	M3.5V			8	3.169451	20	22.252262	119.560	0.0645	242.4322	35.5			
8277	HD 216770	b	K1V		5.21	22	55.895	-26	-39.52667	119.572	0.1675	128.1294	31.29	1	0.3	Piscis Austrini
8278	2MASS J01294256-0823580	low-mass	M5.0			1	29.709567	-8	-23.96931	119.647	0.0779	120.7020				
8279	2MASSW J1510478-281817	Brown dwarf	M9			15	10.797621	-28	-18.29224	119.691	0.0743	248.4627	-13			
8280	2MUCD 10768	PM	M8			8	50.029111	-19	-24.30877	119.691	0.0837	72.8794				
8281	HD 73256 (Cs Pyx)	BY Dra variable type, b	G8IV		5.27	8	36.383667	-30	-2.258333	119.722	0.1128	69.7691	29.79			Pyxidis
8282	HD 92787 HIP 52469)		F5III		2.42	10	43.552	46	12.241667	119.729	0.1615	256.1889	3.7			Ursae Majoris
8283	2MASSI J1412227+235410	Brown dwarf	M9V			14	12.378194	23	54.179288	119.823	0.1095	73.3891	-3			
8284	LP 655-43	PM	M4.5			4	38.041988	-5	-56.22371	119.823	0.1115	199.4843	21.8			
8285	SCR 0829-3855	PM red / white dwarf stars Subasavage 2005	M			8	29.387333	-38	-55.905	119.894	0.4070	328.6000				
8286	1SWASP J001723.46-664512.1	RotV	M2.5			0	17.392347	-66	-45.20553	119.912	0.0607	99.3004	10.8			
8287	2MASS J07221747+0851566	PM	M5V			7	22.291013	8	51.945744	120.177	0.0934	245.1301	39			

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
8288	LSPM J1550+3041	low-mass	M7V			15	50.636404	30	41.066092	120.221	0.0919	44.0480	-21			
8289	UCAC3 163-5082	PM	M2.5			2	0.2129735	-8	-40.86526	120.310	0.0766	118.4772	4.5			
8290	2MASS J19093768+3923256	low-mass				19	9.6280815	39	23.431078	120.622	0.0788	357.2541				
8291	2MASSI J1158027-254536	PM	M8			11	58.04489	-25	-45.61537	120.622	0.1089	208.5048				
8292	G 124-26	White dwarf	DA6.1			14	20.913557	-9	-5.146065	120.711	0.2771	264.4272	-79			
8293	2MASS J22470170+1955286	PM	M9			22	47.029545	19	55.475933	120.891	0.2069	98.0702				
8294	UCAC4 639-047438	RotV	M3.5			13	34.857339	37	46.323405	121.025	0.0739	254.9167	29.97			
8295	zeta Tel (HD 169767) HIP 90568)		G8-K0 III			18	28.830996	-49	-4.235621	121.045	0.1557	148.6711	-30.6		0.033	Telescopii
8296	57 Vir (HD 115202) (HIP 64725)		K1IV		2.26	13	15.976333	-19	-56.57	121.046	0.1888	110.7305	35.11			Virginis
8297	iota Cep (Alvahet) Alvahat	Orange giant	K0 III			22	49.681833	66	12.043333	121.077	0.0820	206.8475	-12.59			Cephei
8298	SCR 1724-5637	PM Red & White dwarf stars Subasavage 2004	M			17	24.607833	-56	-37.04833	121.198	0.4210	154.5000				
8299	LP 245-52	PM	M6V			2	34.492417	36	13.183993	121.250	0.1293	104.8158				
8300	2MASS J21495655+0603349	Brown dwarf	M8.1V			21	49.94265	6	3.5810803	121.431	0.1117	278.7904				
8301	Barta 161 12	SB	M4.3V			1	35.232065	-7	-12.85759	121.477	0.0635	116.7341	6.3			Ceti
8302	UCAC4 423-023265	PM	K7V			6	52.898639	-5	-24.6896	121.477	0.0646	177.2999				
8303	LP 356-770	PM	M7			3	30.085043	24	5.4678001	121.567	0.1042	104.5545				
8304	32 Psc (c Psc) (HD 225003) (HIP 194)		F1V C		2.82	0	2.496	8	29.135	121.634	0.0608	243.3842	9.2			Piscium
8305	delta Boö	B	G8 III	G0		15	15.502717	33	18.890017	121.659	0.0809	143.5859	-12.29		0.057	Boötis
8306	mu PsA (HD 210049) (HIP 109285)	Variable	A1.5IVn		1.49	22	8.3825	-32	-59.30333	121.775	0.0457	114.8323	11.6			Piscis Austrini
8307	55 Vir (HD 114946) (HIP 64577)		G7IV		2.38	13	14.181597	-19	-55.85684	121.891	0.1160	36.8429	-48.12			Virginis
8308	SETI WOW 1977 Signal Source 1420 MHz	Adjusted to Epoch 2000 Near to tau Sag	Galactic Zone			19	25.516667	-26	-57	122.000					0.3	Sagittarii
8309	2MASS J11394192-0310039	Brown dwarf	L0			11	39.698518	-3	-10.06832	122.022	0.1040	246.3565	-33			
8310	LP 331-27	White dwarf	DA			16	59.667002	32	3.3410039	122.022	0.1985	224.7241				
8311	45 tau (HD 26462) (HIP 19554)	Hyades star cluster	F4V		2.78	4	11.336667	5	31.381667	122.189	0.0853	272.2780	38.3			Tauri
8312	G 192-20	PM	M5V			6	8.5069475	49	2.1053553	122.251	0.2019	213.1454	-10.9			
8313	upsilon Eri (ups01 Eri) (HD 29085)		K0 III Cn-1			4	33.509191	-29	-45.98962	122.367	0.1714	202.7778	20.62			Eridani
8314	2MASS J00464841+0715177	Brown dwarf	M9.5:V			0	46.806951	7	15.295943	122.389	0.0663	121.8787	-2.75			
8315	zeta 2 Sco		K3 III			16	54.58333	-42	-21.68333	122.473	0.1497	210.6162	-18.7		0.042	Scorpii
8316	SCR 1412-3941	PM red / white dwarf stars Subasavage 2005	M			14	12.352333	-39	-41.56333	122.501	0.6360	240.2000				
8317	2MASS J16263737+6040431	PM	M6.5			16	26.622892	60	40.71962	122.573	0.0856	73.4391				
8318	2MASS J02561718+4954421	White dwarf	DA			2	56.28661	49	54.697766	122.619	0.1101	170.8183				
8319	alpha CVn B Cor Caroli (alf02 CVn)		A0V			12	56.027571	38	19.101502	122.639	0.1352	75.2094	-4.1			Canum Venaticorum

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
8320	HD 169830 (66 G. Sgr)	has two planets (b & c)	F7V		3.1	18	27.824667	-29	-49.01333	122.646	0.0096	1.7024	-17.21	2	0.3	Sagittarii
8321	BD-07 184		M2.0V			1	9.646288	-7	-10.81828	122.712	0.2451	213.9756				
8322	BD-22 5866	EBAlgol	M0Ve			22	14.639356	-21	-41.88803	122.712	0.1460	319.3065	-14.07			
8323	alpha Uma (HD 95689) (HIP 54061)	Dubhe, Dubh, Dubb, Thahr al Dub al Akbar, Ak	F7V comp		−1.08	11	3.7306667	61	45.066667	122.758	0.0806	255.4933	-9.4			Ursae Majoris
8324	33 Sex		G9IV		3.57	10	41.403099	-1	-44.48944	122.829	0.1066	229.1962	42.76			Sextantis
8325	LP 681-91	PM	M0			14	57.554515	-6	-19.81497	122.897	0.1268	175.1858	43.01			
8326	NLTT 36587	PM	M4V			14	13.047546	5	6.5358744	122.897	0.1395	135.7000	14.55			
8327	alpha Vol (HD 78045) HIP 44382)	subgiant	A3hA5mA5\	?		9	2.4466667	-66	-23.76667	122.997	0.0546	180.2165	7.6			Volantis
8328	HD 157060 (144 G. Sco) (HIP 85019)	PM	F9V		3.58	17	22.631667	-35	-54.65667	123.043	0.0563	316.8761	-6.4			Scorpii
8329	BD-15 2429	EBAlgol	K7V+M0/2:V			8	25.86009	-16	-22.78995	123.222	0.1133	83.6400	29.98			
8330	2MASS J03334828-3459275	PM	M4.0			3	33.804776	-34	-59.4668	123.456	0.2025	178.5119				
8331	G 162-33	PM	K9Vk			10	15.83402	-11	-47.7899	123.456	0.1768	257.3475	35.62			
8332	tau UMa (HD 78362) (HIP 45075)	giant B	A5hF0mF5II	?	1.81	9	10.918333	63	30.891667	123.521	0.0706	119.6287	-8.59		0.015	Ursae Majoris
8333	LP 294-61	White dwarf	DAZ9			1	10.744641	27	58.262238	123.643	0.1241	223.1233				
8334	UCAC4 560-047663	PM	M2.0			9	7.9704846	21	54.183351	123.643	0.1142	197.5311				
8335	LP 759-50	White dwarf	DA+DA			22	12.299314	-14	-29.76628	123.690	0.1550	289.8904	-57			
8336	LP 636-19	PM	M2.9V			20	53.244412	-2	-21.36535	123.737	0.1132	273.7183	-39.9			
8337	rho 1 Sgr (HD 181577) (HIP 95168)	delta Sct variable	A9IV		1.06	19	21.673	-17	-50.835	123.797	0.0203	48.9303	1.2			Sagittarii
8338	LP 520-28	White dwarf	DA			22	30.926937	15	23.894316	123.831	0.3095	292.2293				
8339	66 Cet		F8 V			2	12.79235	-2	-23.61777	123.896	0.2232	100.3037	-5.95			Ceti
8340	HD 2454 (88 G. Psc)		F5VSr C		3.25	0	28.334069	10	11.388478	123.947	0.1078	167.3919	-8.62			Piscium
8341	G 212-27	PM	M3.5V			21	10.979869	46	57.535157	123.973	0.2282	217.0873	6.87			
8342	2MASS J14022235+0648479	Brown dwarf	M8.9V			14	2.3725913	6	48.798342	124.020	0.0358	291.6170				
8343	OGLE LMC570.11.005197	PM	M3.5			6	7.1184999	-66	-56.54759	124.256	0.1559	127.1421				Doradus
8344	rho Vir	delta Sct variable	A0V		2.04	12	41.8835	10	14.15	124.336	0.0704	137.2576	1.6			Virginis
8345	UCAC4 545-002025	PM	M4.0V			1	2.8497886	18	56.902623	124.399	0.0665	121.5024	19.75			
8346	SCR 0756-5434	PM Red & White dwarf stars Subasavage 2004	M			7	56.811833	-54	-34.95167	124.456	0.4460	324.2000				
8347	HD 106252	b	G0V		4.49	12	13.491833	10	2.4983333	124.544	0.1634	175.3321	15.64	1	0.3	Virginis
8348	38 Lyn (HIP 45688)	B	A1V	?		9	18.8445	36	48.17	124.684	0.0755	194.4304	4			Lyncis
8349	NLTT 1875	PM	M4.3V			0	35.081367	59	53.131584	124.780	0.1290	94.5797	-1			
8350	iota Cru		K0 III			12	45.63417	-60	-58.87923	124.871	0.0761	120.2307	7.45			Crucis
8351	2MASSI J0019262+461407	low-mass	M8			0	19.437789	46	14.129783	124.875	0.0989	123.9705	-19.5			
8352	2MASS J11544223-3400390	Brown dwarf	L0			11	54.703701	-34	-0.650317	125.019	0.0978	86.2642				
8353	UCAC4 583-001011	PM	M4.0V			0	24.063183	26	26.496744	125.067	0.0901	112.1390	20			
8354	SCR 1321-3629	PM red / white dwarf stars Subasavage 2005	M			13	21.247333	-36	-29.305	125.107	0.5540	247.8000				
8355	UCAC4 533-032549	PM	M3V			6	44.792054	16	28.297314	125.163	0.0954	148.4833	78.1			

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
8356	CD-32 17181	PM	K7Vk:			22	39.734417	-32	-4.301813	125.211	0.1519	227.2551	21.3			
8357	2MASS J01385527-0925268	PM	M3.5			1	38.921959	-9	-25.44998	125.356	0.3162	99.9546				
8358	LHS 6100	PM	M3.5			6	11.933163	33	25.841706	125.356	0.2553	161.7903	126.18			
8359	UCAC4 371-177223	PM	M3.5			20	16.207526	-15	-56.50184	125.356	0.0822	211.1042				
8360	SDSS J141010.41+184611.9	low-mass	M6V			14	10.173252	18	46.200171	125.598	0.0777	117.8921	6			
8361	KUV 05034+1445	White dwarf	DB			5	6.2636939	14	48.504785	125.694	0.0474	181.3154				Orionis
8362	2MASS J06441439-2841417	Brown dwarf	M9.5			6	44.240232	-28	-41.69582	125.840	0.1387	109.8158				
8363	2MASS J10161651+7818205	Brown dwarf	M8			10	16.275643	78	18.342923	125.840	0.1602	243.0706				
8364	LHS 2702	PM	M3V			13	14.490832	48	46.678481	125.889	0.3071	244.6377	-37			
8365	2MASS J13414890+5510458	Brown dwarf	L1			13	41.814923	55	10.765382	125.986	0.1044	50.9173	-6			
8366	47 Cas		F0 Vn			2	5.1233333	77	16.883333	126.259	0.1041	120.8102	-20.3			Cassiopeiae
8367	38 Ari		A7 III-IV			2	44.959704	12	26.745339	126.276	0.0866	125.3780	-1.5			Arietis
8368	omicron Leo (Subra)	B	F8-G0III	A7m		9	41.150526	9	53.538871	126.478	0.0861	255.4378	26.18			Leonis
8369	ULAS 2MASS J0835+0548	Brown dwarf	L1.7V			8	35.971567	5	48.513747	126.524	0.0690	258.3087				
8370	EXO 0235.2-5216	Flare	M2Ve			2	36.861692	-52	-3.060024	126.573	0.0599	90.1665	12			Horologii
8371	beta Tri (HD 13161) HIP 10064)	Deltotum, Deltoton	A5III		0.09	2	9.542	34	59.243333	126.721	0.0897	104.6887	12.3			Trianguli
8372	SCR 0308-8212	PM Red & White dwarf stars Subasavage 2004	M			3	8.9093333	-82	-12.51	126.736	0.5070	27.3000				
8373	UCAC4 428-060415	PM	M3.0V			14	44.468246	-4	-24.13306	126.820	0.0860	131.4429	8.1			
8374	iota Pic B (HD 31204)		F4V		3.89	4	50.941638	-53	-27.58193	126.963	0.0685	43.3173	23.3			Pictoris
8375	beta Pav		A7 III			20	44.958262	-66	-12.1927	127.088	0.0260	76.8289	3.7			Pavonis
8376	SCR 0452-7321	PM Red & White dwarf stars Subasavage 2004	M			4	52.1145	-73	-21.945	127.388	0.5540	53.6000				
8377	SCR 1257-5554A	PM Red & White dwarf stars Subasavage 2004	M			12	57.547333	-55	-54.81	127.388	0.4100	290.1000				
8378	HD 194433B (297 G. Sgr) (GJ 9695B)		K1IV		3.25	20	26.885667	-37	-24.15833	127.683	0.1524	245.8436	0			Sagittarii
8379	2MASS J00285545-1927165	Brown dwarf	L0.7V			0	28.924112	-19	-27.27546	127.915	0.0649	281.9335				
8380	SCR 1918-3323	PM red / white dwarf stars Subasavage 2005	M			19	18.888167	-33	-23.94667	128.039	0.4370	221.0000				
8381	LP 642-48		M4.0V			23	20.961674	-1	-47.62344	128.217	0.0934	279.9774	-7.2			
8382	Iota1 Nor (HD 143474) (HIP 78662)	B, C	A5IV	?, G8V		16	3.5348237	-57	-46.5044	128.318	0.0846	235.6268	-14.4			Normae
8383	EGGR 577	White dwarf	DA+DA			17	5.5073374	48	3.2060379	128.369	0.0429	161.9733				
8384	HD 164604	b	K2V		7.14	18	3.1155	-28	-33.63833	128.391	0.0316	219.8257	7.09	1	0.3	Sagittarii
8385	UCAC4 622-115916	PM	M3.5			21	20.584476	34	19.79513	128.470	0.0717	304.6261	5.67			
8386	GD 395	White dwarf	DA6.8			21	34.40855	36	55.332474	128.571	0.0944	223.7665				
8387	33 Psc	BC Psc; RS CVn variable	K1III		1.63	0	5.3356988	-5	-42.45713	128.673	0.0513	4.2575	-6.56			Piscium
8388	UCAC4 369-005730	PM	M3.5			4	36.956605	-16	-13.10721	128.724	0.0509	111.9932	15.6			
8389	2MASS J04362788-4114465	PM	M8p?			4	36.464789	-41	-14.77423	128.775	0.0376	278.9845	14.97			
8390	2MASS J11533966+5032092	Brown dwarf	L0.3V			11	53.661172	50	32.156522	128.877	0.0449	288.8687	-63			
8391	LP 772-11	PM	M4.5			3	10.827522	-15	-49.68326	128.877	0.1873	90.7117				

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
8392	LSPM J1115+0033	White dwarf	DA			11	15.615994	0	33.285198	129.183	0.1481	173.3689				
8393	G 107-9	White dwarf	DA6.3			6	36.499891	40	54.469024	129.234	0.1369	201.1680				
8394	HD 168443	b and a brown dwarf	G6V	L	4.03	18	20.0655	-9	-35.74333	129.243	0.1410	202.2342	-48.67	1	0.3	Serpentis
8395	46 Tau (HD 26690) (HIP 19719)		F2V	?	2.45	4	13.551833	7	42.961667	129.265	0.0034	162.7536	2.4			Tauri
8396	eta Eri (Azha) (HIP 13701)		K1+IIIb			2	56.428333	-8	-53.88333	129.266	0.1364	160.8788	-20.32			Eridani
8397	GD 402	White dwarf	DA8.3			22	18.852348	48	39.483362	129.286	0.0888	106.8275				
8398	LP 814-43	PM	M4.0			20	17.685308	-18	-20.58603	129.286	0.1588	126.1449				
8399	LSPM J2214+2534	PM	M4.3V			22	14.294762	25	34.107088	129.286	0.0988	107.0974	-19.9			
8400	G 199-28	PM	M3			12	34.126863	50	37.120252	129.337	0.1756	223.8700				
8401	HIP 53175	PM	K4V			10	52.66029	0	29.032598	129.388	0.0561	251.1759	14.45			
8402	109 Vir (HIP 72220)		A0III		0.75	14	46.249833	1	53.576667	129.605	0.0680	260.6537	-6.1			Virginis
8403	SCR 0727-1421	PM red / white dwarf stars Subasavage 2005	M			7	27.274333	-14	-21.105	129.668	0.4130	161.8000				
8404	GJ 3630	Flare	M4V			10	52.054437	0	32.641592	129.697	0.2371	89.9843	25.88			
8405	10 Ser (HD 137898) (HP 75761)		A6III		2.28	15	28.638167	1	50.53	129.720	0.0533	247.9792	-10.2			Serpentis
8406	2MASSI J1404449+463429	Brown dwarf	M9.7V			14	4.749029	46	34.498071	129.801	0.1624	61.1973	-78			
8407	LP 243-36	PM	M4.5			1	37.808948	38	23.531354	129.801	0.1333	95.4204				
8408	LP 764-40		M1Ve			23	58.228283	-17	-24.5625	129.801	0.1297	273.2910	-8.7			
8409	gamma Leo (Al Geiba)	B	K0 III	G7 III	-0.1	10	19.972509	19	50.489113	129.956	0.1985	116.8850	-36.24	1g	0.016	Leonis
8410	G 125-15	SB	M4.5V			19	31.209226	36	7.4976691	130.164	0.0976	230.6262	-22.31			
8411	pi 2 Gru		F3 III-IV			22	23.133333	45	55.716667	130.320	0.1401	103.9358	3			Gruis
8412	gamma Cen Muhlifain		AO III		-1.3	12	41.516667	-48	-57.58333	130.400	0.1090	269.6330	-7.24			Centauri
8413	LP 873-38	PM	M3.5			21	23.604213	-26	-13.96341	130.424	0.1595	173.0493				
8414	HD 107113 (HIP 59879)		F4V		3.34	12	16.855564	86	26.149187	130.470	0.1231	92.8078	-12.12			Ursae Minoris
8415	LP 892-60	PM				5	27.330449	-31	-30.1411	130.529	0.1021	190.9581	-26.54			
8416	29 Cyg (b03 Cyg)	Variable star of delta Sct type	A2 V			20	14.533867	36	48.378077	130.708	0.0571	315.8480	-17.3			Cygni
8417	iota Pic A (HD 31203)		F0V		2.73	4	50.922114	-53	-27.68717	130.733	0.0691	56.1758	8.6			Pictoris
8418	beta UMi Kochab giant (HD 131873) (HIP 72607)		K4 III		-0.5	14	50.70543	74	9.3302367	130.791	0.0201	70.6998	16.96		0.042	Ursae Minoris
8419	2MASS J21103096-2710513	PM	M5			21	10.516174	-27	-10.85877	131.107	0.0602	137.3570	-3.8			
8420	SCR 0853-6123	PM Red & White dwarf stars Subasavage 2004	M			8	53.051833	-61	-23.80667	131.297	0.5870	145.7000				
8421	PG 1242-106	White dwarf	DA			12	44.877658	-10	-51.14529	131.371	0.2022	257.8970				
8422	2MASS J21103147-2710578	PM	M4.5			21	10.524686	-27	-10.96694	131.530	0.0590	138.0444	-4.3			
8423	HD 147018 (HIP 80250)	has two planets (b & c)	G8V/K0V		5.22	16	23.002455	-61	-41.32592	131.530	0.2113	209.2822	-27.5	2	0.3	Trianguli Australis
8424	tau Cen	dwarf	A2 V		0.82	12	37.703333	-48	-32.46667	131.700	0.1086	268.0200	5			Centauri
8425	1RXS J231318.1-493322	PM	M3Ve			23	13.278442	-49	-33.25802	131.903	0.0691	137.9814	0.3			
8426	LP 152-39	RotV	M1.5V			1	58.22768	48	44.331402	131.903	0.1201	106.7645	14.2			
8427	iota TrA	gamma Dor variable, B ,C	F4 IV	?. ?		16	27.955	-64	-3.483333	132.000					0.032	Trianguli Australis
8428	theta 1 Ser	Alya, Alga, Dzaneb al Haiyet, Cauda Serpentis[4]	A5V	A5 Vn, G5	1.59	18	56.219333	4	12.211667	132.000						Serpentis

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
8429	LP 697-16	White dwarf	DC			21	16.671586	-7	-24.87551	132.010	0.1408	153.5584				
8430	HD 215497 (HIP 112441)	has two planets (b & c)	K3V		5.78	22	46.6125	-56	-35.97167	132.257	0.0477	221.8494	49.22	2	0.36	Tucanae
8431	HD 9896 (HIP 7387)		F2 V			1	35.253333	-58	-8.366667	132.259	0.1661	96.5674	22.42			Hydri
8432	SCR 1151-4624	PM red / white dwarf stars Subasavage 2005	M			11	51.027167	-46	-24.2	132.275	0.4410	118.8000				
8433	HD 3268 (HIP 2832)		F7V		3.44	0	35.91336	13	12.424164	132.633	0.1290	216.7067	-23.372			Piscium
8434	zeta Gru		K1 III			23	0.8799628	-52	-45.24784	132.735	0.0346	256.9989	-1.1			Gruis
8435	2MASS J14525564+2723256	Brown dwarf	M8V			14	52.927304	27	23.425629	132.925	0.1682	210.2365	-78			
8436	62 UMa		F4V		2.67	11	41.575	31	44.758333	133.000						Ursae Majoris
8437	lambda Ari	B	F0 var		5.047	1	57.92862	23	35.763667	133.000	0.0539	188.9730	-1.4			Arietis
8438	mu Leo (Rasalas Alshemali)		K3			9	52.75	26	0.3833333	133.000						Leonis
8439	rho Tuc	B (close rotation)	F6 V	?		0	42.48	-65	-28.08333	133.000					0.044	Tucanae
8440	2MASS J05472925-0018053	PM	M4.0			5	47.487353	0	18.090096	133.088	0.0595	216.6705				
8441	HD 83443	b	K0V	GIII	5.05	9	37.197167	-43	-16.33167	133.407	0.0710	169.7457	28.89	1	0.3	Velorum
8442	HD 4271	SB	F7/8V			0	45.182695	0	15.19721	133.525	0.1574	101.1088	32.5			
8443	LSR J2222+1221	White dwarf	DC			22	22.56495	12	21.716333	133.525	0.4450	286.8714				
8444	SCR 1738-1057	PM red / white dwarf stars Subasavage 2005	M			17	38.591333	-10	-57.42167	133.578	0.5100	178.3000				
8445	64 Cet		G0 IV			2	11.351311	8	34.18831	133.680	0.1051	231.2740	-19.573			Ceti
8446	beta tau (Alnath) (HD 35497) (HIP 25428)	El Nath, Alnath, Nath	B7 III		-1.37	5	26.291885	28	36.447103	133.744	0.1018	172.5299	9.2			Tauri
8447	2MASSI J0003422-282241	Brown dwarf	M7.0V			0	3.7050242	-28	-22.68566	133.799	0.1870	116.9001	11.6			
8448	2MASS J02251947-5837295	Brown dwarf	M9gamma			2	25.324626	-58	-37.49317	133.854	0.0593	99.0555				
8449	SCR 0827-3002	PM red / white dwarf stars Subasavage 2005	M			8	27.680333	-30	-3	133.904	0.6210	330.3000				
8450	lambda UMa Tania Borealis	subgiant (Tania Borealis)	A2 IV		0.38	10	17.096667	42	54.866667	134.000	0.1085	284.3068	18.1			Ursae Majoris
8451	omaega 1 Aqr		A7 IV		5.214	23	39.784467	-14	-13.33067	134.000	0.0442	312.9840	-2			Aquarii
8452	zeta A Vol	B	K0 III			7	41.82	-72	-36.36667	134.000					0.016	Volantis
8453	nu2 Col		F5V			5	37.743631	-28	-41.3814	134.082	0.0331	41.9022	37.1			Columbae
8454	2MASS J12073804-3909050	Brown dwarf	L0.9V			12	7.6341461	-39	-9.083224	134.351	0.0848	76.8004				
8455	HD 137510 (HIP 75535)		G0IV-V		3.16	15	25.888333	19	28.843333	134.406	0.0315	262.6856	-6.8			Serpentis
8456	RX J1014.5+0606	PM	M4.1V			10	14.5325	6	6.6833333	134.628	0.0963	242.6607	16.6			
8457	gamma Psc, Simmah		G7III	Fe 2		23	17.165603	3	16.937186	134.684	0.4424	271.3998	-14.485		0.033	Piscium
8458	UCAC4 437-017603	SB	M4.0V			6	29.838275	-2	-47.76151	134.739	0.1515	141.5463	83.59			
8459	HD 149681 (HIP80480)		F0V		2.42	16	25.7255	78	57.816667	134.781	0.0897	46.8806	-12	1	0.3	Ursae Minoris
8460	HD 73900 (HIP 42455)		F3/F5V		3.1	8	39.370167	-36	-36.40833	134.878	0.1041	72.1265	6.3			Pyxidis
8461	225 G. Vir		F9V		3.27	14	14.358167	-5	-56.875	135.000						Virginis
8462	55 G. Sco		F5IV		2.44	16	19.544667	-30	-54.40667	135.000						Scorpii
8463	epsilon Hya	B gamma delta	G0 III	dF7, dwarf		8	44.2	6	36	135.000	0.2000		34.6		0.057	Hydrae
8464	phi A Vir	B C	G2 IV	G4		14	28.201667	-2	-13.68333	135.000						Virginis
8465	V* II Tau	Flare	M4.6V			3	49.721248	24	19.074902	135.131	0.0926	107.0191	36.8			
8466	56 Cyg (HD 198639) (HIP 102843)		A6V			20	50.081667	44	3.5666667	135.168	0.1053	317.0078	-21.5			Cygni

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
8467	LP 439-442	PM	M3V			14	18.684633	18	12.343333	135.187	0.1162	72.2182	-31			
8468	LSPM J2036+5100	PM M Sub-dwarf high metalic: Titanium & Calcium	sdM7.5			20	36.360237	51	0.0783163	135.355	0.8480	329.0737	-140			
8469	lambda CrB		F0 IV			15	55.793129	37	56.817328	135.394	0.0493	339.9026	-11.6			Coronae Borealis
8470	HD 41004 (HIP 28393)	B-Red dwarf, C-brown dwarf +1 planet	K1IV	M2	5.48	5	59.8275	-48	-14.38167	135.503	0.0423	34.8393	42.5	1	0.3	Pictoris
8471	HD 168746	b	G5V		4.78	18	21.829667	-11	-55.36167	135.591	0.0419	198.6857	-25.52	1	0.3	Serpentis
8472	HD 54563		G9 V			7	10.116667	21	14.816667	135.887	0.2934	200.2814	-3.557			Geminorum
8473	delta Cnc Asellus Australis		K0 III			8	44.685	18	9.25	136.000	0.1333	274.2810	17.1			Cancri
8474	mu And		A5 V			0	56.753525	38	29.960683	136.000	0.0914	13.5000	7.6			Andromedae
8475	theta Cep (Al Kidr)		A7 III			20	29.5805	62	59.648333	136.000						Cephei
8476	EPIC 211483380	PM	M9V			8	39.267832	12	53.901751	136.204	0.0797	200.6691	25			
8477	HD 25102 (25 G. tau) (HIP 18658)	Hyades star cluster	F5V		3.38	3	59.6735	10	19.825	136.288	0.0816	272.5219	39.6			Tauri
8478	eta Hor (HD 16555) (HIP 12225)		A6 V			2	37.406667	-52	-32.58333	136.364	0.0506	116.1443	-3			Horologii
8479	2MASS J02115089+4728300	PM	M7			2	11.848249	47	28.500488	136.432	0.0594	235.8961				
8480	HD 22072 (HIP 16641)		K0.5IVFe-1		3	3	34.138667	17	50.015	136.450	0.1888	163.1148	11.387			Tauri
8481	gamma Hya		G8 III		0.3	13	55.921578	-22	-10.29022	136.478	0.0494	123.4345	-4.74		0.057	Hydrae
8482	2MASS J01583910+4324172	PM	M6.0			1	58.651516	43	24.283818	136.547	0.0650	197.6789				
8483	HD 4113	b	G5V		4.69	0	49.21	-37	-58.95833	136.586	0.0724	156.6272	5.13	1	0.3	Sculptoris
8484	UCAC4 528-053817	PM	M3.0			11	46.561256	15	30.718402	136.718	0.0917	86.0418	40.61			
8485	UCAC3 112-6119	SB	M4			2	48.876738	-34	-4.412282	136.833	0.0582	103.6395	23.3			
8486	HD 10481 (HIP 7886)		F3/F5IV/V		3.09	1	41.454667	-38	-7.978333	136.924	0.0441	318.5053	11.79			Sculptoris
8487	196 G. Sgr		F6V		3.37	19	32.235167	-44	-32.78833	137.000						Sagittarii
8488	40 G. PsA		F0V		2.83	22	29.765667	-27	-6.433333	137.000						Piscis Austrini
8489	78 Psc		F5IV		3.12	1	8.02	32	0.7316667	137.000						Piscium
8490	BD-08°2823	has two planets (b & c)	K3V		6.74	10	0.7953333	-9	-31	137.000						Sextantis
8491	omicron Cap	B (dwarfs)	A3 Vn	A7 V		20	29.875	-18	-35.2	137.000						Capricorni
8492	psi 2 Cnc		G7 V			8	10.453333	25	30.433333	137.000						Cancri
8493	theta Cas Marfark Marfak	(Marfark)	A7 V			1	11.103333	55	8.9833333	137.000						Cassiopeiae
8494	LP 828-39	PM	M4.0			1	56.833626	-25	-42.91773	137.352	0.1536	299.3768				
8495	delta Hyi	PM	A2V			2	21.748333	-68	-39.56667	137.361	0.0291	87.1576	6			Hydri
8496	G 44-9	PM	M5.9V			10	20.734547	8	14.389783	137.643	0.1448	268.4183	14.1			
8497	V* QQ Peg	BY Draconis variable	K7V			22	40.35293	7	54.075267	137.759	0.1517	141.6634				
8498	2MASSI J1635191+422305	low-mass	M9V			16	35.319844	42	23.087632	137.992	0.0367	268.9997	-7			
8499	pi Ara	subgiant	A5 IV-V			17	38.093333	-54	-30.01667	138.000						Arae
8500	GD 330	White dwarf	DA6.6			14	3.7294728	52	6.829864	138.051	0.1130	247.0752	-39			
8501	SCR 1811-5510	PM Red & White dwarf stars Subasavage 2004	M			18	11.582333	-55	-10.63167	138.791	0.4820	197.9000				
8502	gamma 2 Nor	Yellow Giant	G8 III			16	19.840345	-50	-9.33062	138.878	0.0969	252.1974	-28.9			Normae
8503	12 G. Ser Cau		F0V		3.21	17	43.8075	-13	-30.505	139.000						Serpentis

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
8504	alpha Psc (Al Rischa)	Alrescha, Al Rescha, Alrischa, Alrisha, Rescha, El Rischa, Al Richa, Kaitain, Okda; CVn variable	A0pSiSr	A3 m		2	2.046667	2	45.82	139.000						Piscium
8505	beta2 Sgr	Arkab Posterior; 172 G. Sgr	F2III		1.13	19	23.217667	-44	-47.97833	139.000						Sagittarii
8506	delta2 CMi		F2 V			7	33.193333	3	17.416667	139.000						Canis Minoris
8507	gamma Cap Nashira	giant (variable)	F0 p			21	40.091667	-16	-39.73333	139.000						Capricorni
8508	omicron Sgr		K0III		0.61	19	4.6821667	-21	-44.48167	139.000						Sagittarii
8509	UCAC3 92-4599	PM	M5.5			2	7.0332542	-44	-6.739238	139.052	0.0638	107.3940				
8510	SCR 1054-5159	PM Red & White dwarf stars Subasavage 2004	M			10	54.271833	-51	-59.05	139.117	0.4080	306.1000				
8511	alpha Eri Achernar (Star Trek home Romulan)	Flattened Blue	B5 IV			1	37.714091	-57	-14.20517	139.290	0.0553	113.7274	18.6			Eridani
8512	2MASS J21363029+0515329	Brown dwarf	M7.5			21	36.504938	5	15.550719	139.409	0.0839	276.3989				
8513	SCR 1239-4759	PM Red & White dwarf stars Subasavage 2004	M			12	39.856167	-47	-59.13	139.442	0.4010	268.5000				
8514	mu Hor (HD 19319) (HIP 14240)		F0 III			3	3.6133333	-59	-44.26667	139.446	0.0567	229.1331	17.3			Horologii
8515	G 43289	PM	M4V			3	51.496973	9	43.735785	139.469	0.1912	139.0261	-31			
8516	38 Cet		F5 V			1	14.82		-58.43333	139.828	0.1200	3.9987	25.5			Ceti
8517	LP 276-48	White dwarf	DC			17	4.7948044	36	8.7925047	139.948	0.1477	134.1012				
8518	26 Hya		G8 III			9	19.773333	-11	-58.5	140.000						Hydrae
8519	3 Crv		A2 V			12	11.065	-23	-36.15	140.000						Corvi
8520	36 Cap		G5 III			21	28.723333	-21	-48.43333	140.000						Capricorni
8521	51 Dra		A0 Vn			19	4.92	53	23.8	140.000						Draconis
8522	53 G. Sco		A0V:		1.63	16	18.298667	-28	-36.82667	140.000						Scorpii
8523	55 tau	Hyades star cluster	F7V+...		3.68	4	19.913	16	31.36	140.000						Tauri
8524	59 Her		A3 IV			17	1.6066667	33	34.1	140.000						Herculis
8525	6 Hya		K4 III			8	40.025	-12	-28.51667	140.000						Hydrae
8526	66 Eri	B	B9 V	A1 V		5	6.7616667	-4	-39.3	140.000						Eridani
8527	71 Cyg		K0 III			21	29.45	46	32.433333	140.000						Cygni
8528	alpha Col Phact		B8 Ve		-0.6	5	37.8	-34	-6	140.000	0.0250		33.8			Columbae
8529	alpha Peg (Markab)		B9 III		-0.7	23	4.7617	15	12.315	140.000	0.0700		-3.54			Pegasi
8530	beta Crv (Kraz)	giant	G5 II			12	34.387243	-23	-23.80555	140.000	0.0326	179.1200	-7.24		0.107	Corvi
8531	beta Lib Zuben Eschmali		B8 V			15	14.3	-9	-12	140.000	0.1000		-33.8			Librae
8532	delta Aur	B C	K0 III	?		5	59.527277	54	17.079367	140.000	0.0928	302.7760	8.2			Aurigae
8533	delta1 Gru		G6-8 III			22	29.27	-43	-29.73333	140.000						Gruis
8534	epsilon CrB		K2 IIIab			15	57.588333	26	52.666666	140.000						Coronae Borealis
8535	gamma CrB		A0 IV	?	4.2	15	40.6	26	27	140.000	0.1100		-9.66			Coronae Borealis
8536	iota Del		A2 V			20	37.818333	11	22.66666	140.000						Delphini
8537	kappa Cyg		G9 III			19	17.103333	53	22.116667	140.000						Cygni
8538	lambda CrA		A2 Vn			18	43.781667	-38	-19.41667	140.000						Coronae Australis
8539	nu Crv		A0 V			11	56.015	-17	-9.05	140.000						Corvi

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
8540	nu Oph		G9 III			17	56.3	-9	-46	140.000	0.1200		11.27		0.033	Ophiuchi
8541	rho Cas	(variable hypergiant)	F8 Ia - K5			23	54.383333	57	29.96667	140.000	0.0033	217.2000	-41.84		0.053	Cassiopeiae
8542	7 Dra		K5III			12	47.573333	66	47.416667	140.000						Draconis
8543	beta Col Wezn		K1 III		0	5	49.2	-35	-47	140.000	0.4000	7.0000	86.9		0.006	Columbae
8544	mu CrA		G5-6 III			18	47.743333	-40	-24.36667	140.000						Coronae Australis
8545	2MASS J00065794-6436542	Brown dwarf	M9.5			0	6.9654902	-64	-36.90393	140.069	0.0620	125.3493				
8546	2MASS J14205843+2131555	Brown dwarf	L0.0:V			14	20.973666	21	31.927534	140.250	0.2103	58.4517	-12			
8547	HD 51825 (HIP 33451)		F5V		3.05	6	57.2935	-35	-30.43167	140.431	0.0259	64.8550	7.7			Puppis
8548	HD 89319 (HIP 50546)		K0		2.82	10	19.448	48	23.821667	140.564	0.0888	223.6266	-6.93			Ursae Majoris
8549	beta Lep (Nihal)		G5 III		0.1	5	28.24535	-20	-45.56753	140.600	0.0467	182.8802	-14.2		0.107	Leporis
8550	LP 440-35	PM	M6.5			14	31.506507	17	17.961621	140.734	0.1026	197.4487				
8551	SCR 0005-6103	PM Red & White dwarf stars Subasavage 2004	M			0	5.9415	-61	-3.92	140.746	0.5040	84.3000				
8552	Chi01 Hya	B	F3IV/V	dF4		11	5.3317943	-27	-17.6166	140.856	0.1108	268.2072	19.1			Hydrae
8553	101 tau	Hyades star cluster	F5V		3.57	4	59.737833	15	55.008333	141.000						Tauri
8554	58 G. tau	Hyades star cluster	F5V		3.19	4	32.079	5	24.601667	141.000						Tauri
8555	sigma And		A2 V			0	18.328333	36	47.116667	141.000						Andromedae
8556	2MASS J01265299-6838032	PM	M4.5			1	26.882875	-68	-38.05585	141.039	0.0794	243.9227				
8557	HD 24072		B9 V			3	48.598333	-37	-37.23333	141.039	0.0465	98.4847	16			Eridani
8558	HD 24357 (HIP 18170)	Hyades star cluster	F4V		2.88	3	53.166	17	19.63	141.102	0.0854	101.6169	35			Tauri
8559	iota Eri		K0 III			2	40.667251	-39	-51.32239	141.181	0.0805	101.6705	-9.3			Eridani
8560	1SWASP J203337.61-255651.7	PM	M4.5			20	33.626606	-25	-56.86857	141.345	0.0533	144.2820	-6			
8561	HD 93385 (HIP 52476)	has two planets (b & c)	G2V		0	10	46.251934	-41	-27.8621	141.403	0.0424	221.3697	47.52	2	0.3	Velorum
8562	2MASS J01105042-4600141	PM	M1Ve			1	10.840342	-46	-0.237523	141.406	0.0965	281.0213	-6.5			
8563	V* AF Hor	Flare	M2Ve			2	41.788424	-52	-59.51075	141.468	0.0548	97.0586	10			
8564	HD 6301 (HIP 5034)		F7IV-V		3.08	1	4.460412	29	39.527169	141.560	0.0782	140.2811	1.53			Piscium
8565	112 G. Pup		df4			7	34.318333	-23	-28.48333	141.650						Puppis
8566	LEHPM 1510	PM	M4.5			1	24.126618	-24	-20.7773	141.652	0.2025	292.2879				
8567	LSPM J0852+2540	low-mass	M7V			8	52.411259	25	40.9833	141.714	0.1303	249.7807	38			
8568	2MASS J14313097+1436539	Brown dwarf	L1			14	31.515463	14	36.896411	141.775	0.2540	260.2968	15			
8569	2MASS J06043887+0741545	PM	M6V			6	4.6478718	7	41.909183	141.961	0.1229	156.4606	-67			
8570	UCAC3 118-169947	PM	M3.9V			14	21.917574	-31	-25.8943	141.961	0.1058	252.0692	-26.5			
8571	80 tau	Hyades star cluster	F0V...		2.38	4	30.142167	15	38.273333	142.000						Tauri
8572	gamma 2 Vol	double star with Gamma1 Vol	G8IIIvar		0.59	7	8.747	-70	-29.95167	142.000						Volantis
8573	zeta Peg (Himam)		B8 V			22	41.461667	10	49.88333	142.000	0.0800		6.44			Pegasi
8574	HD 26015 (HIP 19261)	Hyades star cluster	F3V		2.66	4	7.6997233	15	9.7671	142.147	0.0756	100.5742	36.2			Tauri
8575	2MASS J04362767+1151243	PM	M9			4	36.461292	11	51.403231	142.333	0.0586	94.7944				
8576	HD 133002 (HIP 72573)		F9V		2.45	14	50.340399	82	30.716472	142.611	0.1661	141.6486	-44.26			Ursae Minoris
8577	CD-53 544	RotV	K6Ve			2	41.780594	-52	-59.87326	142.707	0.0569	98.3252	11.9			
8578	HD 27894 (HIP 20277)	b	K2V		6.28	4	20.784119	-59	-24.65031	142.957	0.1903	326.1671	82.91	1	0.3	Reticuli
8579	11 Vir		Am		2.51	12	10.0585	5	48.418333	143.000						Virginis
8580	delta Scl		A0V		1.37	23	48.924667	-28	-7.801667	143.000						Sculptoris
8581	kappa Gem Al Kirkab		G8 III			7	44.446667	24	23.883333	143.000						Geminorum

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
8582	theta 2 Ser		A5Vn		1.77	18	56.2435	4	12.123333	143.000						Serpentis
8583	2MASS J12090655+3233264	Brown dwarf	L0			12	9.1087353	32	33.444683	143.524	0.1290	26.5942	-18			
8584	HD 62781 (HIP 37710)		F0IV		2.61	7	44.162333	-36	-3.763333	143.569	0.0678	42.7677	29.2			Puppis
8585	delta Dor		A7 V			5	44.773333	-65	-44.13333	143.643	0.0173	76.2081	-8.3			Doradus
8586	2MASS J21490499-6413039	low-mass	M4.5			21	49.08315	-64	-13.06555	143.651	0.0625	155.9031	3.9			
8587	SCR 1322-7254	PM Red & White dwarf stars Subasavage 2004	M			13	22.456167	-72	-54.61	143.678	0.5720	270.7000				
8588	HD 178476 (HIP 93975)		F3V		3.01	19	8.0581667	21	41.925	143.797	0.0510	329.6074	-39.7			Vulpeculae
8589	2MASS J06085283-2753583	Star	M9.6V			6	8.8805584	-27	-53.97198	143.841	0.0083	296.9573	26.35			
8590	77 Psc B	component of the 77 Psc system	F6V		4.04	1	5.857	4	54.583333	144.000						Piscium
8591	beta 1 Tuc	B C	A2 V	B9V, A2V		0	31.545	-62	-57.48333	144.000						Tucanae
8592	Q Sco	159 G. Sco	G8/K0III/IV		1.03	17	36.5475	-38	-38.09167	144.000						Scorpii
8593	V1116 tau	delta Sct variable; Hyades star cluster	F5IV		2.78	4	36.4845	23	20.458333	144.000						Tauri
8594	SCR 2254-8712	PM Red & White dwarf stars Subasavage 2004	M			22	54.3575	-87	-12.86167	144.004	0.4010	115.6000				
8595	HD 29399 (HIP 21253)	binary star; suspected variable	K1III		2.48	4	33.568333	-62	-49.41833	144.029	0.0693	260.9804	31.79			Reticuli
8596	HD 36553 (HIP 25768)		F8/ G2		2.26	5	30.157998	-47	-4.659217	144.770	0.0779	171.3375	17.06			Pictoris
8597	LP 764-16	PM	M3.5			0	17.209635	-15	-43.6123	144.800	0.2346	159.4849				
8598	2MASSI J0123112-692138	Brown dwarf	M8			1	23.187929	-69	-21.63336	144.929	0.0561	106.0691	1			
8599	SCR 1331-5138	PM Red & White dwarf stars Subasavage 2004	M			13	31.113667	-51	-38.04667	144.981	0.4840	294.9000				
8600	SCR 1420-5106	PM White dwarf star Subasavage 2004	M			14	20.361833	-51	-6.845	144.981	0.4890	130.4000				
8601	48 tau	V1099 Tau; Hyades star cluster	F5Vvar		3.07	4	15.770167	15	24.045	145.000						Tauri
8602	81 tau	member of the Pleiades star cluster	Am		2.24	4	30.647167	15	41.516667	145.000						Tauri
8603	9 G. Sex		F8V		3.18	9	51.3615	-6	-10.92333	145.000						Sextantis
8604	epsilon Sgr	Kaus Australis	B9.5 III		-1.44	18	24.171667	-34	-23.05833	145.000	0.1300	107.0000	-10.46			Sagittae
8605	AG+20 2207	PM Part of Theta Sge system	G5V			20	9.9373417	20	55.070466	145.550	0.0702	327.5512	-43			Sagittae
8606	LHS 6173	PM	M4			9	45.847631	35	21.643071	145.576	0.2721	227.9265				
8607	SCR 1053-3858	PM red / white dwarf stars Subasavage 2005	M			10	53.823667	-38	-58.97833	145.633	0.6220	320.1000				
8608	SCR 1601-4442	PM red / white dwarf stars Subasavage 2005	M			16	1.6246667	-44	-42.02333	145.633	0.4390	240.3000				
8609	2MASS J08175749+1824048	Brown dwarf	L2.0V			8	17.958198	18	24.080965	145.772	0.0154	339.7218	-75			
8610	LP 678-8	White dwarf	DA			13	35.781789	-5	-42.95906	145.772	0.1482	77.6098				
8611	2MASS J02070786-1810077	PM	M4			2	7.1312499	-18	-10.13047	145.902	0.0875	134.1942	19.1			
8612	theta Sge	PM	F3			20	9.9441175	20	54.901563	145.927	0.0665	329.2844	-40.92			Sagittae
8613	32 tau		F2IV		2.36	3	56.867167	22	28.695	146.000						Tauri

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
8614	33 Vir		K1III-IV		2.4	12	46.373	9	32.446667	146.000						Virginis
8615	57 tau	V483 Tau; Hyades star cluster; delta Sct variable	F3V...		2.32	4	19.9605	14	2.115	146.000						Tauri
8616	beta LMi	B	G8III	F8IV		10	27.8833	36	42.4325	146.000	229.7491	0.1023				Leonis Minoris
8617	HD 171238 (HIP 91085)	b	K0V		5.44	18	34.727833	-28	-4.338333	146.183	0.0658	195.1675	21.11	1	0.3	Sagittarii
8618	HD 8574 (HP 6643)	Large planet 225 day orbit	F8		3.89	1	25.208667	28	34.001667	146.233	0.1726	122.0605	18.4	1	0.025	Piscium
8619	upsilon Tau		A8Vn C			4	26.307692	22	42.815076	146.259	0.0693	113.3174	32.2			Tauri
8620	SCR 0038-5038	PM Red & White dwarf stars Subasavage 2004	M			0	38.8	-50	-38.37167	146.284	0.7260	115.1000				
8621	HD 94132 (HIP 53257)		G9IV		2.72	10	53.523	69	51.243333	146.416	0.2341	260.3531	13.24			Ursae Majoris
8622	8 G. PsA		G8IV		3.01	21	39.101167	-33	-40.725	147.000						Piscis Austrini
8623	85 tau	Hyades star cluster	F4V...		2.75	4	31.8615	15	51.098333	147.000						Tauri
8624	epsilon Dra (Tyl)		K0			19	48.166667	70	16.066667	147.000						Draconis
8625	gamma 1 Vol	double star with Gamma2 Vol	F2		2.41	7	8.7056667	-70	-29.84	147.000						Volantis
8626	psi UMa	Ta Tsun	K1III		−0.27	11	9.6643333	44	29.913333	147.000	0.0394	66.1568	-3.39			Ursae Majoris
8627	2MASSI J1411213-211950	low-mass	M9V			14	11.355104	-21	-19.84055	147.022	0.0698	227.8535	-1			
8628	L 23-13	PM				19	48.466387	-80	-27.3871	147.022	0.1025	242.8516	-0.45			
8629	HD 81790 (HIP 46566)		F3Vs		3.27	9	29.797833	55	44.72	147.097	0.0802	252.3589	10.1			Ursae Majoris
8630	HD 125442 (HIP 70104)		F0IV			14	20.709679	45	-11.22365	147.123	0.0476	152.8556				Lupi
8631	Kappa2 tau	Hyades star cluster	A7V		2.05	4	25.415667	22	12.006667	147.135	0.0702	113.0883	32			Tauri
8632	HD 28568 (HIP 21053)	Hyades star cluster	F2		3.43	4	30.779	16	8.925	147.307	0.0692	106.4778	43.6			Tauri
8633	HD 330075 (HIP 77517)	b planet hot Jupiter	G5			15	49.628188	-49	-57.81153	147.777	0.1457	248.3184	61.67	1g	0.25	Normae
8634	HD 28527 (HIP 21029)	Hyades star cluster	A6IV		1.54	4	30.5595	16	11.645	147.851	0.0626	104.1129	38.1			Tauri
8635	SCR 1211-6849	PM Red & White dwarf stars Subasavage 2004	M			12	11.661667	-68	-49.49833	147.913	0.4890	293.4000				
8636	5 G. Ser Cau		F7V		2.92	17	27.035333	-12	-30.74	148.000						Serpentis
8637	89 tau	Hyades star cluster	F0V		2.49	4	38.156333	16	2.0033333	148.000						Tauri
8638	AB Pic	variable star, b planet or a brown dwarf	K2V		5.87	6	19.215167	-58	-3.258333	148.000	0.0276	342.6438	22.2			Pictoris
8639	beta PsA	Tien Kang	A1V		1	22	31.504833	-32	-20.76167	148.000						Piscis Austrini
8640	delta 3 (Tauri C)	Hyades star cluster	A2 IV		1.02	4	25.49	17	55.683333	148.000						Tauri
8641	gamma Dra Eltanin Etamin	slight variable	K5 III		-0.4	17	56.606667	51	29.338333	148.000	0.0143	200.2860	-28		0.042	Draconis
8642	psi 1 Aqr 91	B C D E	K0 III	??	0.95	23	15.891667	-9	-5.266667	148.000	0.2146	357.3560	-26.4			Aquarii
8643	zeta Psc A	Revati of Vedic astrology	A7IV		1.93	1	13.73	7	34.53	148.000						Piscium
8644	NLTT 40561	PM	M3.5V			15	33.843675	25	10.173088	148.293	0.1336	176.8329	12.5			
8645	UCAC4 677-123934	PM	M3.5V			23	5.1452757	45	17.530833	148.496	0.1143	290.0519	-3			
8646	HD 22949		F0		3.15	4	56.259833	24	35.535	148.721	0.0143	235.7341	-9			Tauri
8647	HD 180134 (HIP 94858)		F7V		3.07	19	18.162667	-53	-23.21333	148.759	0.0496	162.9561	-22.51			Telescopii
8648	SCR 0618-6704	PM Red & White dwarf stars Subasavage 2004	M			6	18.4335	-67	-4.005	148.891	0.4360	31.4000				
8649	HD 27429 (HIP 20255)	Hyades star cluster	F3:V...		2.73	4	20.417333	18	44.563333	148.916	0.0726	110.1315	37.27			Tauri
8650	233 G. Sgr		F3V		2.75	19	49.192167	-28	-47.32333	149.000						Sagittarii
8651	59 UMa		F2II-III		2.26	11	38.344833	43	37.53	149.000						Ursae Majoris

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
8652	60 tau	V775 Tau; Hyades star cluster; spectroscopic binary; delta Sct variable	A3m		2.42	4	22.0575	14	4.635	149.000						Tauri
8653	77 Psc A	binary star	F3V		3.05	1	5.8203333	4	54.52	149.000						Piscium
8654	83 tau	Hyades star cluster	F0V		2.1	4	30.621667	13	43.466667	149.000						Tauri
8655	eta Sgr (Arkab)	46 G. Sgr; irregular variable	M2 III		3.1	18	17.626667	-36	-45.7	149.000	0.2200	220.0000	0.48			Sagittarii
8656	rho Boö (Al Hamalain)	B	K3 III		4.899	14	31.829832	30	22.286233	149.000	0.0911	129.8780	-13.7			Boötis
8657	2MASS J16184503-1321297	Brown dwarf	M9.3V			16	18.7506	-13	-21.496	149.039	0.0689	238.4558				
8658	LP 773-3	PM	M3.5			3	32.137318	-15	-2.660015	149.039	0.1865	193.3428				
8659	G 130-31	PM	M5.6V			23	59.330882	32	41.405867	149.108	0.1764	216.8993	-52.3			
8660	HD 170915	PM	K4.5Vk:			18	35.830551	-61	-13.61405	149.108	0.2477	182.5568	34.75			
8661	2MASS J05284435-3252228	PM	M8.5			5	28.739214	-32	-52.38048	149.176	0.0378	32.2737				
8662	G Sco (HD 161892)		K2 III			17	49.858056	-37	-2.596476	149.251	0.0243	286.1847	24.7		0.033	Scorpii
8663	39 Gem (HD 51530) (HIP 33595)		F7 V			6	58.790166	26	4.8648243	149.324	0.1089	59.9039	5.32			Geminorum
8664	LSPM J2254+1323	White dwarf	DC			22	54.143712	13	23.955912	149.587	0.2225	121.5338				
8665	HD 25202 (HIP 18735)	Hyades star cluster	F4V		2.6	4	0.8115	18	11.643333	149.622	0.0776	101.9186	27.9			Tauri
8666	UCAC4 619-040291	SB	M3.5			7	28.352831	33	45.211425	149.655	0.0641	185.6051	10.1			
8667	HD 187085 (HIP 97546)	b	G0V		3.95	19	49.566167	-37	-46.83333	149.738	0.0603	175.3130	15.38	1	0.3	Sagittarii
8668	11 CMi		A1 Vnn			7	46.27	10	46.1	150.000						Canis Minoris
8669	221 G. Vir		F7V		3.11	14	11.521333	1	21.74	150.000						Virginis
8670	27 Hya		G8 III-IV			9	20.483333	-9	-33.35	150.000						Hydrae
8671	4 Sex		F6V...		2.93	9	50.502833	4	20.626667	150.000						Sextantis
8672	49 Cas		G8 III			2	5.52	76	6.9	150.000						Cassiopeiae
8673	57 Gem		G8 III			7	23.475	25	3.033333	150.000						Geminorum
8674	60 Her		A4 IV			17	5.3783333	12	44.45	150.000						Herculis
8675	88 tau		A5m		0.93	4	35.653833	10	9.655	150.000						Tauri
8676	9 Lac		A8 IV			22	37.373333	51	32.716667	150.000						Lacertae
8677	90 tau	Hyades star cluster	A6V		0.96	4	38.156667	12	30.651667	150.000						Tauri
8678	93 Leo		G5III	A7V		11	47.985	20	13.13333	150.000						Leonis
8679	delta Lep		K0III Fe		1.08	5	51.321667	-20	-52.75	150.000						Leporis
8680	CD-29 8887	TTau	M2Ve			11	9.230124	-30	-1.667837	150.138	0.0574	264.8632	12.1			
8681	2MASS J23080940+4514402	PM	M7.0			23	8.1569898	45	14.669307	150.277	0.0704	106.4336				
8682	delta 2 tau	Hyades star cluster	A2V			4	24.09602	17	38.647952	150.348	0.0673	106.6699	38.8			Tauri
8683	2MASS J08320822-7031003	Brown dwarf	M9			8	32.137241	-70	-31.00671	150.694	0.0418	39.2786				
8684	CD-26 8623	TTau	M3Ve			11	32.687766	-26	-51.93269	150.764	0.0551	253.1753	8.34			
8685	2MASS J05021345+1442367	Brown dwarf	M8.9V			5	2.2242122	14	42.613582	150.833	0.0449	109.1117				
8686	SCR 1631-2805	PM red / white dwarf stars Subasavage 2005	M			16	31.557333	-28	-5.466667	150.845	0.4680	220.7000				
8687	SCR 1634-3112	PM red / white dwarf stars Subasavage 2005	M			16	34.096333	-31	-12.04	150.845	0.4200	248.1000				
8688	HD 50499 (HIP 32970)	b,2nd?	G0/2V		0	6	52.033333	-33	-54.93333	150.998	0.0565	45.5158	39.94	2	0.3	Puppis
8689	244 G. Vir		A5V		1.77	14	24.189833	5	49.206667	151.000						Virginis

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
8690	beta 3 Tuc		A7 V			0	32.732833	63	1.8953333	151.000						Tucanae
8691	HD 27901 (HIP 20614)	Hyades star cluster	F4V		2.52	4	24.951	19	2.525	151.298	0.0635	108.4222	31.7			Tauri
8692	CD-26 8623B (T Tau)		M5.5			11	32.686217	-26	-52.15184	151.394	0.0546	255.2034	8.93			
8693	SCR 2009-6005	PM Red & White dwarf stars Subasavage 2004	M			20	9.3906667	-60	-5.721667	151.497	0.4140	154.3000				
8694	HD 222805 (HIP 117105)		G8	K0IV	2.75	23	44.416667	-70	-29.42333	151.612	0.1476	284.2274	20.67			Tucanae
8695	kappa 1 tau (K1 Tauri)	Hyades star cluster; sextuple star	A7IV-V C			4	25.369468	22	17.632268	151.626	0.0642	113.7593	37.3			Tauri
8696	EGGR 253	White dwarf	DA6.1			10	16.11456	-1	-19.2856	151.676	0.2963	85.9464	144.6			
8697	HD 155154 VX UMi	gamma Doradus variable	F0IVn		2.91	17	1.6685543	75	17.849658	151.746	0.0417	168.9070	1			Ursae Minoris
8698	SCR 0718-4622	PM red / white dwarf stars Subasavage 2005	M			7	18.202	-46	-22.63167	151.823	0.4230	343.6000				
8699	70 tau	Hyades star cluster	F7V		3.1	4	25.620833	15	56.465	152.000						Tauri
8700	rho Tau	(delta Scuti variable) Hyades star cluster	A8 V			4	33.848333	14	50.666667	152.000						Tauri
8701	UY UMi	gamma Doradus variable	F2V		2.93	12	15.3445	87	42	152.000						Ursae Minoris
8702	HD 24040 (HIP 17960)	b	G0		4.18	3	50.382833	17	28.581667	152.099	0.1602	155.7248	-9.18	1	0.3	Tauri
8703	theta Cha		K2 III			8	20.642396	-77	-29.0685	152.124	0.0791	73.0719	21.46			Chamaeleontis
8704	59 Leo (c Leo)		A5III			11	0.7467038	6	6.0869386	152.273	0.0335	244.9668	-11.7			Leonis
8705	LEHPM 5136	PM	M4.0			22	47.60949	-43	-18.27115	152.528	0.2437	131.7519				
8706	2MASS J02505959-3409050	PM	M4			2	50.993659	-34	-9.085182	152.600	0.0542	105.8131	9.9			
8707	2MASS J21021569-3129118	SB	M4.0			21	2.2613285	-31	-29.20194	152.600	0.1006	191.6487	-6.98			
8708	SCR 1748-7211	PM Red & White dwarf stars Subasavage 2004	M			17	48.864167	-72	-11.885	152.800	0.4280	191.0000				
8709	beta Ser (Chow)	B	A3 V	dK3		15	46.188333	15	25.316667	153.000	0.0800		-1.53			Serpentis
8710	theta 1 tau (Phaeo)	Hyades star cluster	K0 IIIbFe-0.5			4	28.575	15	57.73333	153.000					0.016	Tauri
8711	HD 95241 (HIP 53791)		F9V		2.74	11	0.346	42	54.721667	153.101	0.0932	222.0204	-6.71			Ursae Majoris
8712	2MASS J23301129-0237227	PM	M6.0			23	30.188405	-2	-37.37958	153.534	0.0707	123.8742				
8713	2MASSI J1453230+154308	Brown dwarf	M7.5			14	53.384007	15	43.135737	153.534	0.0237	46.0729				
8714	SCR 0142-3133	PM red / white dwarf stars Subasavage 2005	M			1	42.339833	-31	-33.59833	153.778	0.7490	155.1000				
8715	UCAC3 70-2386	PM	M5.0			1	3.5942333	-55	-15.93717	153.824	0.0644	115.0607	4			
8716	41 Ari		B8 Vn			2	49.983902	27	15.630867	153.952	0.0790	150.6311	4			Arietis
8717	2 G. Ser Cau		F1III+...		3.09	17	20.876667	-10	-41.78167	154.000						Serpentis
8718	58 tau	V696 Tau; Hyades star cluster; delta Sct variable	F0V		1.89	4	20.604	15	5.73	154.000						Tauri
8719	63 tau	Hyades star cluster	A1m		2.27	4	23.416667	16	46.64	154.000						Tauri
8720	epsilon Aq Deneb el Okab		K1 III		0.67	18	59.622623	15	4.0978833	154.000	0.0528	234.4840	-48			Aquilae
8721	gamma tau (Hyadum I)	(variable)	K0-IIIabCn1		0.28	4	19.793333	15	37.65	154.000					0.016	Tauri
8722	omaega 2 Aqr		B9 V		4.451	23	42.722402	-14	-32.69428	154.000	0.0696	326.0920	3			Aquarii
8723	rho Aql (Tso Ke)		A2 V			20	14.276667	15	11.85	154.000						Aquilae
8724	HD 27483 (HIP 20284)	Hyades star cluster, White dwarf	DA4+F6V		2.84	4	20.877667	13	51.868333	154.761	0.0627	96.7710	39.2			Tauri

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
8725	mu Ori	(variable)	A1Vm	F2V, M6		6	2.3833	9	38.85	154.774	0.0235	165.0604	0			Orionis
8726	12 Tri		F0III		1.9	2	28.1665	29	40.171667	155.000						Trianguli
8727	epsilon tau (Ain) Coronis	Hyades star cluster; b	K0 III		0.15	4	28.616667	19	10.816667	155.000				1g	0.016	Tauri
8728	eta Tel		A0 Vn			19	22.851667	-54	-25.41667	155.000						Telescopii
8729	Kappa1 Boö	B	F1 V	A8 IV		14	13.461667	51	47.266667	155.000						Boötis
8730	mu Aqt (Albulaan)	(Shares name with nu Aqr)	A3 m		5.029	20	52.653893	-8	-58.99907	155.000	0.0334	325.0340	-9.1			Aquarii
8731	sigma 1 Tau	Hyades star cluster	A4m		1.74	4	39.15333	15	47.983333	155.000						Tauri
8732	theta 2 tau (Phaesula)	(delta Scuti variable)	A7 III			4	28.661667	15	52.25	155.000						Tauri
8733	Kappa2 Boö	(delta scuti variable)	A8 IV		4.74	14	13.483463	51	47.3979	155.000	0.0362	188.7690	-17.4			Boötis
8734	HD 103928 (HIP 58369)		A9V		3.04	11	58.120833	32	16.443333	155.011	0.0728	240.2016	-1.6			Ursae Majoris
8735	SCR 2132-3922	PM red / white dwarf stars Subasavage 2005	M			21	32.494833	-39	-22.83833	155.407	0.5310	118.3000				
8736	9 Com (HD 107213) (HIP 60098)		F8 Vs			12	19.493333	28	9.4166667	155.530	0.1396	238.4944	-9.32			Comae Berenices
8737	24 UMi		A2m		2.38	17	30.782833	86	58.081667	156.000						Ursae Minoris
8738	71 tau	V777 Tau; Hyades star cluster; spectroscopic binary; delta Sct variable	F0V...		1.08	4	26.3445	15	37.1	156.000						Tauri
8739	mu Ser	Tiānrǔ	A0V		0.14	15	49.621167	-3	-25.80833	156.000						Serpentis
8740	SCR 1213-4820	PM Red & White dwarf stars Subasavage 2004	M			12	13.1185	-48	-20.13167	156.058	0.4800	268.0000				
8741	HD 188753 (HIP 98001)	Triple Star system with planets	G8	G?, G?		19	54.972863	41	52.292163	156.137	0.1608	11.7383	-23.5	1g	0.042	Cygni
8742	[RSP2011] 54	RotV	M4.0V			3	22.527893	28	58.484605	156.184	0.0901	106.9538	29.2			
8743	2MASS J07405577+4114097	low-mass	M8V			7	40.929279	41	14.159893	156.184	0.0425	211.8924	17			
8744	NLTT 31508	PM	M5V			12	40.685844	19	55.399465	156.259	0.1699	256.6116	0			
8745	UCAC3 124-580676	SB	M3			20	10.000617	-28	-1.684	156.259	0.0431	146.7170	-5.8			
8746	G 17380	PM	M4			4	38.431943	15	53.25416	156.334	0.1632	185.5431				
8747	QS Vir	b; eclipsing binary	DA+dme		11.39	13	49.865833	-13	-13.625	156.480				1	0.016	Virginis
8748	2MASS J01223784-4117425	PM	M4.5			1	22.631479	-41	-17.70566	156.484	0.2326	281.6779				
8749	2MASS J16265698+3954482	Star	M7.5			16	26.949713	39	54.803026	156.861	0.0267	114.1391				
8750	20 Sex		F8		3.79	10	13.7415	-7	-23.045	157.000						Sextantis
8751	theta 2 Sgr	257 G. Sgr	A4/A5IV		1.89	19	59.854667	-34	-41.85833	157.000						Sagittarii
8752	SCR 1235-4527	PM red / white dwarf stars Subasavage 2005	M			12	35.583167	-45	-27.06	157.036	0.4850	317.3000				
8753	zeta Hya		G8.5III			8	55.393766	5	56.734253	157.253	0.0592	82.6638	22.3		0.016	Hydrae
8754	SDSS J001309.32-002551.9	low-mass	M6.0V			0	13.155486	0	25.865075	157.315	0.0355	272.4640	19.9			
8755	SCR 1912-5034	PM Red & White dwarf stars Subasavage 2004	M			19	12.750167	-50	-34.57333	157.361	0.4470	233.7000				
8756	HD 209458 (Osiris) (V376 Peg)	Hot Jupiter planet	G0V			22	3.1795493	18	53.059137	157.585	0.0201	121.1664	-15.01	1g	0.25	Pegasi
8757	14 Vul		F0		2.26	19	59.176333	23	6.0766667	158.000						Vulpeculae
8758	2 UMa		A2m		2.04	8	34.603167	65	8.7166667	158.000						Ursae Majoris

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
8759	beta Aps giant	B	K0 III		5.3	16	43.077605	-77	-31.05	158.000	0.2641	231.5000	-30.3			Apodis
8760	eta Cap	B	A5V	?		21	4.405	-19	-51.03	158.000						Capricorni
8761	gamma Cnc Asellus Borealis		A1 IV			8	43.285	21	28.116667	158.000						Cancri
8762	theta Cap (Dorsum) Fernanda de Oliveira e Reis Charro Quirino	dwarf	A1 V			21	5.9466667	-17	-13.96667	158.000						Capricorni
8763	2MASS J14325112+3636440	Brown dwarf	M9V			14	32.851312	36	36.730757	158.002	0.1373	257.5553	-39			
8764	UCAC4 610-011032	RotV	M4.0V			3	56.551691	31	57.413686	158.002	0.0810	117.8340	29.81			
8765	HD 153950	b	F8V		3.91	17	4.5145154	-43	-18.58617	158.086	0.1041	141.8557	33.25	1	0.3	Scorpii
8766	2MASS J01192312-0052354	PM	M3.5			1	19.385492	0	52.591398	158.463	0.1046	190.2557				
8767	2MASS J05082729-2101444	Star	M5			5	8.4549468	-21	-1.73961	158.540	0.0208	110.6689	22.2			
8768	2MASS J15462597+0317547	Brown dwarf	M7.5			15	46.432782	3	17.909194	158.540	0.0634	76.9942				
8769	UCAC3 107-419290	PM	M4.5			20	22.029729	-36	-53.03072	158.540	0.1279	159.8450				
8770	LP 801-14	White dwarf	DA7.0			14	50.198846	-19	-14.14455	158.772	0.1592	72.1907				
8771	b Ser		A3Vn		1.65	15	51.260833	-3	-5.425	159.000						Serpentis
8772	eta Tuc	dwarf	A1 V			23	57.586667	-64	-17.9	159.000						Tucanae
8773	theta Psc	normal giant	K1III		0.83	23	27.9695	6	22.746667	159.000	0.0763	250.7431	5.8			Piscium
8774	WASP-8	transiting planet (b)	G6		6.45	23	59.601167	-35	-1.881667	159.000				1	0.3	Sculptoris
8775	zeta Hor		F4 IV			2	40.660224	-54	-32.99466	159.450	0.0197	279.5055	-1.1		0.032	Horologii
8776	SCR 1340-4427	PM red / white dwarf stars Subasavage 2005	M			13	40.34	-44	-27.09667	159.642	0.4030	283.5000				
8777	1 Equ epsilon		F6 IV			20	59.073333	4	17.616667	160.000						Equulei
8778	107 Her		A7 V			18	21.016667	28	52.2	160.000						Herculis
8779	15 Lac		M0 III			22	52.03333	43	18.75	160.000						Lacertae
8780	21 CVn		A0 V			13	18.241667	49	40.916667	160.000						Canum Venaticorum
8781	27 Dra		K0 III			17	31.965	68	8.1	160.000						Draconis
8782	33 Cap		K0 III			21	24.16	-20	-51.11667	160.000						Capricorni
8783	33 Cyg		A3 IV-Vn			20	13.398333	56	34.066667	160.000						Cygni
8784	35 Com		G8 III	F6 V		12	53.296667	21	14.7	160.000						Comae Berenices
8785	36 And	B	K1 IV	K1 IV	0	0	5.23	23	21	160.000	0.1300		1.93		0.006	Andromedae
8786	37 LMi		G2.5IIa			10	38.72	31	58.566667	160.000						Leonis Minoris
8787	40 Cyg		A3 V			20	27.571667	38	26.416667	160.000						Cygni
8788	51 And		K3 III			1	37.993333	48	37.7	160.000					0.02	Andromedae
8789	54 Her		K4 III			16	55.37	18	26	160.000						Herculis
8790	74 Cyg		A5 V			21	36.95	40	24.816667	160.000						Cygni
8791	79 tau	Hyades star cluster	A7V		1.56	4	28.835	13	2.8583333	160.000						Tauri
8792	beta 11 Mon	B Gamma	B3e	B3ne, B3 V	4.6	6	28.825	-7	-2.0667	160.000	0.0250	234.0000	19.31			Monocerotis
8793	delta And	B Red dwarf	K3 III	dm2	-0.2	0	3.66	30	35	160.000	0.1600	125.0000	-7.24		0.02	Andromedae
8794	delta Ind		F0 IV			21	57.918333	-54	-59.55	160.000						Indi
8795	epsilon 1 Lyr	B (Double Double 1)	F1 V	A4 V		18	44.34	39	40.2	160.000						Lyrae
8796	gamma Aps		G9 III		4.77	16	33.451392	-78	-53.82887	160.000	0.0859	211.7000	5.4			Apodis
8797	gamma Aqr Sadachbia		A0 V		3.815	22	21.656257	-1	-23.28988	160.000	0.0754	3.9390	15			Aquarii
8798	gamma Ari (Mesarthim)	B	B9 V	A0p	4.75	1	53.53	19	17.75	160.000	0.0797	305.1980	3.7			Arietis

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
8799	iota Cas	B C (dwarf neutron star?)	A5p	F5, G4		2	24.9	67	11	160.000	0.0200					Cassiopeiae
8800	ksi Her 92		G8 III			17	57.765	29	14.866667	160.000						Herculis
8801	lambda Aql					19	36	-4	-58	160.000	0.0900		-13.68			Aquilae
8802	mu Gem		M3 III		-0.6	6	19.9	22	33	160.000	0.1300		54.72			Geminorum
8803	Mu1 Hya		G7 III			9	51.478333	-14	-50.8	160.000						Hydrae
8804	nu Lib		K5 III			15	6.6267	-16	-15.42	160.000						Librae
8805	omicron 1 Cnc	giant	A5 III			8	57.248333	15	19.366667	160.000						Cancri
8806	phi Her		B9 p Mn			16	8.77	44	56.1	160.000						Herculis
8807	pi Dra		A2 IIIs			19	20.668333	65	42.883333	160.000						Draconis
8808	psi And	B C D	G5 Ib			0	21.121667	37	58.12	160.000						Andromedae
8809	sigma 2 Tau	Hyades star cluster	A5 Vn		1.23	4	39.275	15	55.83333	160.000						Tauri
8810	tau 5 Ser -18 (HD 139225)		F3 V			15	36.487318	16	7.15	160.000	0.4174	85.6000	-2		0.015	Serpentis
8811	theta Cru		Am			12	3.025	-63	-18.76667	160.000						Crucis
8812	2MASS J20434307+5509469	PM	M3V			20	43.717707	55	9.779858	160.414	0.1116	225.6684	13			
8813	2MASS J20535781-2419459	PM	M4.5			20	53.963711	-24	-19.76712	160.730	0.0587	150.5280				
8814	CD-33 7795	TTau	M2Ve			11	31.921005	-34	-36.45357	160.889	0.0507	255.4542	12.7			
8815	SCR 1808-0341	PM red / white dwarf stars Subasavage 2005	M			18	8.8066667	-3	-41.91	160.945	0.4240	197.2000				
8816	33 G. Sco		F3V		2.96	16	9.9218333	-18	-20.42667	161.000						Scorpii
8817	4 Ser		A4V		2.15	15	15.819		22.326667	161.000						Serpentis
8818	omicron 2 Cnc	Supergiant	F0 IV			8	57.586667	15	34.883333	161.000						Cancri
8819	psi 2 Psc		A3V		2.09	1	7.9518333	20	44.36	161.000						Piscium
8820	SCR 0300-4653	PM red / white dwarf stars Subasavage 2005	M			3	0.7536667	-46	-53.835	161.271	0.7790	68.7000				
8821	39 Com		F4 V			13	6.3539957	21	9.203905	161.848	0.0484	236.5239	-0.8			Comae Berenices
8822	TWA 26	Brown dwarf	M9:			11	39.852392	-31	-59.35789	161.848	0.0566	256.0801	7			
8823	12 Vir		A2m		2.37	12	13.433167	10	15.741667	162.000						Virginis
8824	epsilon 2 Lyr	B (Double Double 2)	F1 V	A8 V		18	44.3817	39	36.7667	162.000						Lyrae
8825	eta Sge		K2III		1.61	20	5.1578333	19	59.453333	162.000						Sagittae
8826	kappa Psc	CVn variable	A0p		1.47	23	26.931833	1	15.35	162.000	0.0741	137.8080	-3.2			Piscium
8827	mu Aur	dwarf	A4 Vm			5	13.428333	38	29.066667	162.000						Aurigae
8828	mu Cen (Kabkent) Kalb al KenTauri	subgiant	B2 IVpe		-2.7	13	49.616667	-42	-28.43333	162.000	0.0178	231.1360	9			Centauri
8829	tau Psc		K0III-IV...		1.03	1	11.659833	30	5.3833333	162.000						Piscium
8830	W UMa	prototype of W UMa variables, B	F8Vp+	F8Vp	4.48	9	43.757833	55	57.151667	162.000	0.0183	330.4612	-46			Ursae Majoris
8831	2MASS J03014892-5903021	Brown dwarf	M9			3	1.8154924	-59	-3.035914	162.090	0.0474	92.0041				
8832	SCR 0740-7212	PM Red & White dwarf stars Subasavage 2004	M			7	40.013333	-72	-12.46333	162.248	0.4810	3.7000				
8833	delta Crt		G9III			11	19.340772	-14	-46.71194	162.488	0.1390	30.7251	-4.94			Crateris
8834	HD 89744	b	F7V		2.78	10	22.177667	41	13.791667	162.900	0.1067	221.1147	-5.3	1	0.3	Ursae Majoris
8835	22 UMa		F7V		2.28	9	34.889833	72	12.351667	163.000						Ursae Majoris
8836	60 G. Ser Cau		F9IV		3	18	38.396667	-3	-11.62333	163.000						Serpentis

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
8837	95 tau		F7IV-V		2.69	4	43.229167	24	5.3383333	163.000						Tauri
8838	alpha Ret	double star	G7III		−0.17	4	14.423833	-62	-28.43833	163.000						Reticuli
8839	iota Tau	Hyades star cluster	A7 V			5	3.095	21	35.4	163.000						Tauri
8840	LW Vel	delta Sct variable	A7V		1.78	10	13.381333	-51	-13.97667	163.000						Velorum
8841	phi Boö	giant	G7 III-IV			15	37.826667	40	21.2	163.000						Boötis
8842	HD 28226 (HIP 20842)	Hyades star cluster	Am		2.32	4	28.013056	21	37.194209	163.090	0.0613	113.6259	37.9			Tauri
8843	SCR 1821-5549	PM Red & White dwarf stars Subasavage 2004	M			18	21.7645	-55	-49.29167	163.552	0.4240	181.0000				
8844	HD 81799		K2.5 III			9	27.306667	-22	-20.63333	163.812	0.1372	137.2287	29.05			Hydrae
8845	SCR 2352-6124	PM Red & White dwarf stars Subasavage 2004	M			23	52.492667	-61	-24.385	163.877	0.8480	167.1000				
8846	10 G. Sgr		A7III/IV		2.25	17	56.697	-28	-3.921667	164.000						Sagittarii
8847	nu Aqr (Albulaan)	(Shares name with mu Aqr)	G8 III		5.752	21	9.594128	-11	-22.30158	164.000	0.0545	350.3110	-11.8			Aquarii
8848	nu Pic		Am		2.09	6	22.931167	-56	-22.195	164.000						Pictoris
8849	StKM 1-927	Star	K4/5			11	12.142717	-15	-57.81331	164.462	0.0288	53.3319	-16.23			
8850	2MASS J04572565+6809177	Brown dwarf	M8			4	57.428824	68	9.2935704	164.879	0.1162	161.8705				
8851	139 G. Sco		F6V		2.01	17	17.061833	-32	-39.76167	165.000						Scorpii
8852	HD 153234 (HIP 83202)		F3V		2.98	17	0.2376667	-44	-59.30833	165.000						Scorpii
8853	psi Sco		A3IV		1.41	16	12	-10	-3.851667	165.000						Scorpii
8854	WOH G 6	PM Red & White dwarf stars Subasavage 2004	M4.0			4	24.559766	-72	-43.084	165.129	0.3038	329.0837				
8855	2MASS J23453903+0055137	Brown dwarf	M9V			23	45.650526	0	55.22881	165.213	0.0641	122.2714	23			
8856	theta Aur (tet Aur)	B	B9 V		0.1	5	59.721169	37	12.755078	165.381	0.0499	149.4053	29.3			Aurigae
8857	SCR 2059-4615	PM red / white dwarf stars Subasavage 2005	M			20	59.179	-46	-15.32833	165.506	0.4000	123.8000				
8858	38 Lmi		G0IV			10	39.127206	37	54.600014	165.538	0.1310	258.4612	30.9			Leonis Minoris
8859	1 k Vel		F3/F5V		1.1	9	15.751167	-37	-24.78833	166.000						Velorum
8860	theta Lib		K0 III			15	53.825635	-16	-43.75767	166.136	0.0964	323.5783	4.56			Librae
8861	LP 829-21	PM	M4.0			2	8.0336248	-24	-47.35088	166.564	0.1751	127.9414				
8862	theta Eri (Acamar)	B	A3 V	A2	0.6	2	58.26132	-40	-18.28076	166.566	0.0345	66.6571	11.9			Eridani
8863	SCR 1505-4620	PM red / white dwarf stars Subasavage 2005	M			15	5.4555	-46	-20.27	166.810	0.5170	239.8000				
8864	[SBB2014] 5121623	low-mass	M8.5V			3	35.034867	23	42.590253	166.820	0.0469	141.3485	15.5			
8865	HD 107148 (HIP 60081)	b	G5		4.47	12	19.224833	-3	-19.18667	167.000				1	0.3	Virginis
8866	SCR 0411-8654	PM Red & White dwarf stars Subasavage 2004	M			4	11.6345	-86	-54.16333	167.135	0.5570	46.5000				
8867	2MASSI J1221506-084319	Brown dwarf	M8			12	21.844139	-8	-43.3274	167.248	0.1100	86.1068				
8868	6 Vir		K0III:		2.02	11	55.0525	8	26.635	168.000						Virginis
8869	63 G. tau	Hyades star cluster	A5m		1.82	4	39.101667	7	52.26	168.000						Tauri
8870	HD 148156 (HIP 80680)	b planet	G1V			16	28.288067	-46	-19.05767	168.000	0.0308	302.0513	-2	1	0.3	Normae
8871	omicron Ser	delta Scuti-type variable star	A2Va		0.68	17	41.415333	-12	-52.51	168.000						Serpentis
8872	TYC 4943-192-1	PM				12	15.30651	-2	-37.47093	168.111	0.0818	221.5638	1.4			
8873	2MASS J19170993+7755597	Brown dwarf	L0:			19	17.165458	77	55.995136	168.198	0.0584	355.8985				

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
8874	UCAC4 171-199133	PM	M4.5			18	42.080691	-55	-54.21241	168.546	0.0458	171.8971				
8875	1SWASP J192434.97-344239.3	PM	M4			19	24.582561	-34	-42.65609	168.808	0.0465	160.8658	-3.2			
8876	37 Peg	B	F5 IV		1.5	22	29.9656	4	25.901493	168.983	0.0884	188.0458	2.4		0.036	Pegasi
8877	82 UMa		A3Vn		1.88	13	39.509667	52	55.265	169.000						Ursae Majoris
8878	beta For	giant	K0 III Fe			2	49.09	-32	-24.35	169.000	0.1063	330.4930	16.8			Fornacis
8879	epsilon And		G6IIIFe-3CH1		0.8	0	38.555763	29	18.71	169.000	0.1992	227.9000	-83.9			Andromedae
8880	HR 2384 (HIP 30953)		F2V		1.71	6	29.818833	-50	-14.33833	169.000						Puppis
8881	kappa Aur	giant	G8.5 IIIb		5.37	6	15.378152	29	29.378152	169.000	0.1578	254.8530	20.3		0.02	Aurigae
8882	39 Ari		K1.5 III			2	47.908333	29	14.833333	169.005	0.1138	129.9248	-15.53			Arietis
8883	omi Vir (GJ 3703) (HD 104979)		G8 IIICN0.5CH1Ba1			12	5.2088994	8	43.981322	169.045	0.1334	81.8612	-31.02			Virginis
8884	HD 87141 (HIP 49363)		F5V		2.34	10	4.6058333	53	53.503333	169.150	0.0137	258.6261	-19.1			Ursae Majoris
8885	HD 75553	Star	G0			8	53.133968	54	57.182935	169.776	0.0250	340.4081	-16.7			
8886	2MASS J21162349-6513219	PM				21	16.391054	-65	-13.36267	169.953	0.0913	117.4862	-11.08			
8887	10 Leo		K1III			9	37.211667	6	50.15	170.000						Leonis
8888	11 Hya (HD 102620) (HIP 57613)		M4 III			11	48.751667	-26	-44.98333	170.000						Hydrae
8889	14 Cyg		B9 III			19	39.441667	42	49.1	170.000						Cygni
8890	229 G. Vir		A9III		2.86	14	16.356833	-6	-37.29167	170.000						Virginis
8891	5 UMi		K4 IIIBa0.3		−0.87	14	27.525	75	41.766667	170.000					0.042	Ursae Minoris
8892	alpha Sgr	Rukbat, Alrami; 177 G. Sgr	B8V		0.38	19	23.885833	-40	-36.93833	170.000						Sagittarii
8893	beta Lac		G8.5 IIIb		0.85	22	23.560392	52	13.742783	170.000	0.1087	184.1614	-10			Lacertae
8894	CMi (Gomeisa)		B7 V			7	27.15	8	17.366667	170.000	0.0368	232.5940	22			Canis Minoris
8895	delta Ari (Botein)	(variable giant)	K2 III		5.376	3	11.629425	19	43.60065	170.000	0.0901	356.8940	24.7			Arietis
8896	delta Col		G7 II			6	22.113333	-33	-23.18333	170.000						Columbae
8897	delta PsA		G8III		0.61	22	55.948167	-32	-32.38167	170.000						Piscis Austrini
8898	epsilon Lep		K5 III			5	3.4	-22	-26	170.000	0.0800		1.37		0.042	Leporis
8899	eta Col		K0 III			5	59.146667	-42	-48.91667	170.000						Columbae
8900	HD 133340 (HIP 73826)		G8III			15	5.3183	-41	-4.033	170.000						Lupi
8901	HD 215664 (HIP 112417)		F0 III			22	46.17	44	32.76667	170.000						Lacertae
8902	kappa And		B9IVn			23	40.408468	44	20.04	170.000	0.0486	346.9000	-9			Andromedae
8903	nu Cha		G8 III			9	46.343333	-76	-46.56667	170.000						Chamaeleontis
8904	nu Tel	giant	A7 III-IV			19	48.02	-56	-21.75	170.000						Telescopii
8905	upsilon Cyg Ab		B2 Vne			21	17.918333	34	53.816667	170.000						Cygni
8906	2MASS J08082487+4347557	SB	M3.5			8	8.4145201	43	47.928244	170.131	0.0751	202.9542	72.95			
8907	2MASS 1207 (TWA 27)	Brown dwarf, b	M8Ve			12	7.5577833	-39	-32.9	170.576	0.0390	249.9439	7.5	1g		Centauri
8908	2MASS J03550477-1032415	low-mass	M8.5			3	55.079574	-10	-32.69313	170.576	0.0443	117.2120				
8909	SCR 1637-3014	PM red / white dwarf stars Subasavage 2005	M			16	37.959	-30	-14.955	170.719	0.4620	245.1000				
8910	2MASS J22174316-1546452	PM	M4			22	17.719406	-15	-46.75464	170.844	0.0644	102.1574	-17.59			
8911	delta 1 tau	Hyades star cluster	G9.5III			4	22.935017	17	32.550933	170.905	0.0609	105.5693	37.91		0.016	Tauri
8912	delta Oph		M0.5 III			16	14.345642	-3	-41.65935	170.934	0.0875	198.4217	-19.27			Ophiuchi

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
8913	8 G. Ser Cap	has a Red dwarf companion that was formerly a known planet	F9V		3.35	15	18.9245	-1	-35.54333	171.000						Serpentis
8914	HD 185269 (HIP 96507)	B,C, b	G0IV			19	32.195687	28	28.991783	171.000	0.0506	201.3013		1	0.26	Cygni
8915	HD 76143 (HIP 43414)		F5IV		1.74	8	50.578	-66	-47.59333	171.000						Volantis
8916	nu Cae		F1 III-IV			4	50.269682	-41	-19.25087	171.000	0.0388	92.5980	23.6			Caeli
8917	rho Tel		F7V		1.57	19	6.332	-52	-20.43833	171.000						Telescopii
8918	LSPM J2242+0048	White dwarf	DC			22	42.102969	0	48.382302	171.835	0.0939	118.3788				
8919	beta 2 Tuc		A2V		0.92	0	31.556	-62	-57.92667	172.000						Tucanae
8920	delta UMi Yildun		A1 Vn		0.62	17	32.215	86	35.183333	172.000						Ursae Minoris
8921	HD 159868 (HIP 86375)	b	G5V		3.66	17	38.992167	-43	-8.73	172.000				1	0.3	Scorpii
8922	HD 188015 (HIP 97769)	b	G5IV		4.61	19	52.075667	28	6.0233333	172.000				1	0.3	Vulpeculae
8923	HD 9446 (HIP 7245)	has two planets (b & c)	G5V		4.74	1	33.336333	29	15.908333	172.000				2	0.35	Trianguli
8924	HD 100777 Leo (HIP 56572)	(orange subgiant)	K0 IV			11	35.858723	-4	-45.34252	172.200				1g	0.2	Leonis
8925	HD 37226 (HIP 26079)		F8V		2.67	5	33.738333	-54	-54.13833	172.534	0.0383	278.5398	38.28			Pictoris
8926	2MASS J09180165-5452332	PM	M4			9	18.027342	-54	-52.55443	172.655	0.0342	62.8597				
8927	tau Cas	giant	K1 IIIa			23	47.058333	58	39.116667	172.800	0.0483	313.0440	-21			Cassiopeiae
8928	LP 289-19	PM	M6.5			22	54.742526	39	29.029145	172.930	0.1399	271.6917				
8929	HD 221287 (HIP 116084)	b	F7V		4.2	23	31.339	-58	-12.58333	173.000				1	0.3	Tucanae
8930	iota Aqr		B8 V		3.219	22	6.437162	-13	-52.18075	173.000	0.0407	305.2860	-10			Aquarii
8931	l tau		A5V		1.65	5	7.8071667	20	25.106667	173.000						Tauri
8932	upsilon Peg		F8 III			23	25.379705	23	24.245577	173.041	0.1141	281.1802	-8.59		0.053	Pegasi
8933	UCAC4 396-055485	PM	M4.5			13	21.938712	-10	-52.16601	173.114	0.0500	231.1626	-8.55			
8934	2MASS J22332648-5903568	Star				22	33.441601	-59	-3.949577	173.206	0.0254	43.3199	14.08			
8935	38 G. Sex		F1IV		2.68	10	19.992	-9	-3.53	174.000						Sextantis
8936	alpha Can (Acubens) Sertan		A5 m			8	58.486667	11	51.466667	174.000						Cancri
8937	alpha Crt (Alkes)		K1 III			10	59.774412	-18	-17.927	174.000	0.2793	74.3990	46.8			Crateris
8938	alpha Sct (Loannina)		K2III		0.21	18	35.207333	-8	-14.59833	174.000						Scuti
8939	beta Scl		B9.5IVMNpe.		0.69	23	32.969833	-37	-49.10167	174.000	0.0601	291.7510	-0.4			Sculptoris
8940	gamma Pic		K1 III		0.87	5	49.8263	-56	-9.99	174.000						Pictoris
8941	tau 7 Ser -22	(HD 140232)	A2 m			15	41.911887	18	27.8422	174.000	0.5383	307.9000	-29.5			Serpentis
8942	delta Ser B (HD 138917)		F0 IV			15	34.80292	10	32.265416	174.141	0.0390	87.8591	-37.9			Serpentis
8943	pi Cas	dwarf	A5 V			0	43.468333	47	1.4833333	174.300	0.0259	213.4190	13			Cassiopeiae
8944	55 Sgr		F3IV/V		1.42	19	42.518167	-16	-7.438333	175.000						Sagittarii
8945	tau Pup (HD 50310) (HIP 32768)		K1 III		0.1	6	49.93667	-50	-36.88333	175.606	0.0449	153.5644	34.4		0.006	Puppis
8946	UCAC3 118-135558					10	12.151517	-31	-24.75467	175.728	0.0439	262.8373	14.69			
8947	122 tau	Hyades star cluster	F0V		1.87	5	37.061833	17	2.425	176.000						Tauri
8948	8 PsA		A7/A8IV		2.07	21	36.181667	-26	-10.28667	176.000						Piscis Austrini
8949	HD 71805 (HIP 41426)		F5V...		2.82	8	26.963833	-52	-42.29	176.000						Velorum
8950	upsilon Aql	subgiant	A3 IV		6.063	19	45.665792	7	36.789483	176.000	0.0313	0.1060	-29.9			Aquilae
8951	theta Leo (Chort)	PM	A2IV			11	14.240113	15	25.774287	176.158	0.0583	218.0663	7.3			Leonis

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
8952	SCR 1057-5103	PM Red & White dwarf stars Subasavage 2004	M			10	57.049667	-51	-3.583333	176.258	0.6220	277.2000				
8953	iota Gru		K1 III			23	10.35902	-45	-14.80317	176.742	0.0769	101.2759	-4.4			Gruis
8954	72 Vir		F2V		2.43	13	30.428333	-6	-28.21833	177.000						Virginis
8955	76 tau	Hyades star cluster	F0IV		2.23	4	28.389	14	44.461667	177.000						Tauri
8956	HD 190647 (HIP 99115)	b	G5V		4.11	20	7.3278333	-35	-32.31833	177.000				1	0.32	Sagittarii
8957	HD 28271 (HIP 20904)		F7V		2.71	4	28.866333	30	21.691667	177.000						Tauri
8958	pi Ser		A3V		1.15	16	2.2948333	22	48.263333	177.000						Serpentis
8959	SCR 0615-5807	PM Red & White dwarf stars Subasavage 2004	M			6	15.083667	-58	-7.723333	177.235	0.4100	314.6000				
8960	SCR 0812-6402	PM Red & White dwarf stars Subasavage 2004	M			8	12.389333	-64	-2.4	177.235	0.4090	340.0000				
8961	41 And		A3 m			1	8.0141592	43	56.525263	177.374	0.1003	110.3190	9.5			Andromedae
8962	SCR 0823-4444	PM red / white dwarf stars Subasavage 2005	M			8	23.0595	-44	-44.83667	177.561	0.4140	308.1000				
8963	LP 878-17	PM				23	20.454515	-24	-41.3332	177.644	0.1205	113.7021	-10.77			
8964	EGGR 561	White dwarf	DA3.2			0	40.381403	0	21.501116	177.936	0.0123	107.9663	259387			
8965	72 Psc		F4II-III		1.95	1	5.0891667	14	56.76	178.000	0.0601	291.7510				Piscium
8966	V1156 tau	Hyades star cluster	A5m		2.24	5	9.751	28	1.8366667	178.000						Tauri
8967	L 280-96	PM				21	2.4791673	-53	-24.44184	178.228	0.2075	203.6134	37.3			
8968	LP 320-434	PM				12	21.547308	28	54.379608	178.228	0.6066	253.8981				
8969	SCR 0829-2951	PM red / white dwarf stars Subasavage 2005	M			8	29.162167	-29	-51.65333	178.538	0.5700	158.3000				
8970	2MASS J15462849+2536338	Brown dwarf	L0			15	46.474987	25	36.563662	178.814	0.2444	71.8145	-189			
8971	kappa Col (HD 43785) (HIP 29807)		G9IIIbCN0.5			6	16.551667	-35	-8.433333	178.936	0.0508	359.2147	23.7			Columbae
8972	zeta And	B Red dwarf	KI III Giant	dwarf	0.8	0	47.338756	24	16.031235	178.975	0.0757	230.7622	-24.43			Andromedae
8973	13 Sex		F4V		2.73	10	4.1413333	3	12.076667	179.000						Sextantis
8974	51 tau	Hyades star cluster	F0V		1.95	4	18.385667	21	34.763333	179.000						Tauri
8975	67 G. Psc		K1III		2.14	0	10.314167	-5	-13.08833	179.000						Piscium
8976	8 Ser		F0V		2.41	15	23.727833	-1	-1.338333	179.000						Serpentis
8977	95 Vir		F2IV		1.76	14	6.7151667	-9	-18.81167	179.000						Virginis
8978	gamma Scl		K1III		0.72	23	18.823833	-32	-31.91	179.000						Sculptoris
8979	HD 217786 (HIP 113834)	b	F8V		0	23	3.1333333	0	25.783333	179.000				1	0.31	Piscium
8980	HD 25171 (HIP 18387)	b	F8V		0	3	55.816667	-65	-11.2	179.000				1	0.31	Reticuli
8981	HD 73267 (HIP 42202) Pyxidis	b	G5V		5.2	8	36.296333	-34	-27.59833	179.000				1	0.3	Pyxidis
8982	ksi Aqr	B	A7 V	?	4.859	21	37.751822	-7	-51.25208	179.000	0.0680	347.9300	-18			Aquarii
8983	HD 51266 (HIP 33139)	Red Giant Branch Star	K0/K1III		2.59	6	54.0385	-50	-36.72833	179.139	0.1325	14.0149	44.45			Puppis
8984	SCR 1547-2751	PM red / white dwarf stars Subasavage 2005	M			15	47.611333	-27	-51.34833	179.842	0.4400	156.8000				
8985	30 Her		M6 III			16	28.641667	41	52.9	180.000						Herculis
8986	45 G. Psc		F5III-IV		2.76	23	48.822667	2	12.87	180.000						Piscium
8987	69 Her		A2 V			17	17.671667	37	17.5	180.000						Herculis

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
8988	69 Leo		A0V			11	13.76		-4.183333	180.000						Leonis
8989	alpha Dor		A0 IIISi			4	33.996667	-55	-2.7	180.000						Doradus
8990	HD 125612 (HIP 70123)	three planets (b, c & d)	G3V		4.72	14	20.891833	-17	-28.89167	180.000	0.0530	222.0970	-18.4	3	0.4	Virginis
8991	HD 145689 (HIP 79797)		A4V		2.24	16	17.091333	-67	-56.465	180.000						Trianguli Australis
8992	HD 16220 (HIP 12200)		F8V		2.52	2	37.1085	32	53.461667	180.000						Trianguli
8993	HD 50445 (HIP 32938)		A3V		2.23	6	51.7075	-36	-13.80833	180.000						Puppis
8994	omicron Col		K0 IV			5	17.485	-34	-53.71667	180.000						Columbae
8995	zeta Boö		A2 III		4.9	14	41.141667	13	43.7	180.000	0.0313	193.6440	-5.5			Boötis
8996	HD 27947		G0 D			4	25.005419	11	58.675599	180.022	0.0271	109.3085	38.588			Tauri
8997	alpha Hya (alf Hya) (Alphard)		K3 II		-0.3	9	27.587378	-8	-39.51597	180.100	0.0219	23.8990	-4.27		0.02	Hydrae
8998	2MASS J05474286-5221502	PM				5	47.714381	-52	-21.83947	180.199	0.0479	10.6768	22.19			
8999	LP 824-397	PM	M4.5			0	17.92784	-25	-9.799811	180.499	0.1706	109.6742				
9000	UCAC3 116-474938	PM	M4			19	56.048938	-32	-7.312872	180.699	0.0436	151.1931	-2.8			
9001	SCR 1109-4631	PM red / white dwarf stars Subasavage 2005	M			11	9.472	-46	-31.165	180.819	0.4670	279.2000				
9002	124 G. Psc		F2		2.62	1	40.5815	8	45.646667	181.000						Piscium
9003	37 tau		K0III		0.64	4	4.6943333	22	4.9233333	181.000						Tauri
9004	HD 203803 (HIP 105652)		F1IV		1.98	21	23.979	24	16.445	181.000						Vulpeculae
9005	OU Pup	alpha2 CVn variable	Ap		1.14	7	13.222833	-45	-10.95167	181.000						Puppis
9006	UCAC4 681-047870	Flare	M4.0V			7	31.021562	46	0.4405102	181.101	0.0595	187.6195	38.87			
9007	224 G. Vir		F7Vw		2.16	14	13.677833		50.706667	182.000						Virginis
9008	35 Vul		A1V		1.66	21	27.667167	27	36.513333	182.000						Vulpeculae
9009	6 Lyn	(sub giant), b	K0IV		2.1	6	30.7852	58	9.76	182.000	0.1978	185.0857	36	1		Lyncis
9010	HD 53952 (HIP 34200)		F2V		2.42	7	5.5341667	-34	-46.66833	182.000						Puppis
9011	lambda Pyx		G8III		0.98	9	23.205667	-28	-50.035	182.000						Pyxidis
9012	tau 2 Eri Angetenar		K0 III			2	51.038333	-21	-0.25	182.000						Eridani
9013	2MASS J11094082-2242322	PM				11	9.6805957	-22	-42.5377	182.011	0.0416	62.7584	26.46			
9014	SSSPM J1013-1356	PM M Sub-dwarf high metalic: Titanium & Calcium	sdM9.5			10	13.122445	-13	-56.35435	182.317	0.6004	176.2180				
9015	HD 210715 Lac (HIP 109521)		A5V			22	11.164875	50	49.404741	182.721	0.0859	284.2287	-10.7			Lacertae
9016	SCR 0758-2235	PM red / white dwarf stars Subasavage 2005	M			7	58.886167	-22	-35.88	182.774	0.5470	153.8000				
9017	110 Vir		K0III		0.64	15	2.9011667	2	5.4766667	183.000						Virginis
9018	55 UMa		A2V		1.01	11	19.132333	38	11.143333	183.000						Ursae Majoris
9019	58 UMa		F4V		2.19	11	30.5195	43	10.383333	183.000						Ursae Majoris
9020	alpha Pav Peacock	(Peacock Star)	B2 IV		-1.81	20	25.6483	-56	-44.1	183.000	0.0900	174.9000	2			Pavonis
9021	epsilon Sex		F2III		1.51	10	17.631667	-8	-4.135	183.000						Sextantis
9022	gamma TrA	dwarf	A1 V		0.2	15	18.91	-68	-40.76667	183.000	0.0700					Trianguli Australis
9023	O Vir	CW Vir; CVn variable	A1p SrCrEu		1.17	13	34.131833	3	39.541667	183.000						Virginis
9024	GD 362	White dwarf	DAZB			17	31.571949	37	5.3451611	183.240	0.1269	173.6907				
9025	eta Aqr (Hydria)		B9 IV-Vn		3.93	22	35.356343		-7.04985	184.000	0.0610	327.6470	-8			Aquarii
9026	omicron UMa Muscida	b	G5 III		-0.4	8	30.265	60	43.083333	184.000	0.0998	308.7751	19.8	1	0.107	Ursae Majoris
9027	sigma Pup	Hadir	K5III SB	G5 V, ?	−0.51	7	29.231333	-43	-18.11333	184.000						Puppis

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
9028	SCR 1805-4326	PM red / white dwarf stars Subasavage 2005	M			18	5.2056667	-43	-26.10167	184.403	0.7810	160.3000				
9029	2MASS J00482731-2415254	PM				0	48.455383	-24	-15.42553	184.799	0.0505	274.3197	49.07			
9030	19 Pup		K0III		0.95	8	11.272	-12	-55.62167	185.000						Puppis
9031	96 G. Sgr		F5/F6V		2.58	18	45.310667	-21	-0.093333	185.000						Sagittarii
9032	gamma 1 Cae	B	K3 III	?	-1.87	5	4.406702	-35	-28.9787	185.000	0.0778	199.3710	9.7			Caeli
9033	SCR 0210-6252	PM Red & White dwarf stars Subasavage 2004	M			2	10.733167	-62	-52.50167	185.054	0.4560	50.0000				
9034	HD 10308 (HIP 7874)		F7V		2.46	1	41.305	25	44.748333	185.297	0.0733	108.7889	9.1			Piscium
9035	LP 739-54	PM				13	57.524728	-12	-52.74647	185.324	0.1152	150.3726	39.07			
9036	AL 442	Em	M4.5			6	11.499439	-72	-13.646	185.430	0.0375	338.9242	18.2			Camelopardalis
9037	2MASS J00194303+1951117	PM	M4			0	19.717407	19	51.195567	185.535	0.0490	120.7899				
9038	165 G. Sgr		A6:m...		1.81	19	20.636	-22	-24.15667	186.000						Sagittarii
9039	alpha Equ Kitalpha		G0 III			21	15.823333	5	14.885	186.000						Equulei
9040	2MASS J00193931+1951050	PM	M4			0	19.655342	19	51.084189	186.598	0.0496	121.2127				
9041	189 G. Sgr		Am		1.91	19	29.396167	-43	-26.695	187.000						Sagittarii
9042	61 Psc		F8V		2.71	0	47.912167	20	55.518333	187.000						Piscium
9043	delta Ara (Tseen Yin)		B8 Vn			17	31.09855	-60	-41.03088	187.000	0.0657	241.6350	10			Arae
9044	delta Sct	triple star; the prototype of delta Scuti-type variable stars, period 4 h 40 min	F2IIIp d Del		0.91	18	42.273667	-9	-3.153333	187.000						Scuti
9045	HD 9578 (HIP 7240)	b	G1V		4.41	1	33.285667	-38	-14.70167	187.000				1	0.33	Sculptoris
9046	kappa Ari	dwarf B	A2m	?		2	6.565	22	38.9	187.000						Arietis
9047	lambda Vir	Khambalia	A1V		0.73	14	19.11	-13	-22.27	187.000						Virginis
9048	24 CVn		A4 V			13	34.454338	49	0.9583163	187.117	0.0763	77.7426	-18.3			Canum Venaticorum
9049	2 Hya	Variable star of delta Sct type	F0VmA6C			8	26.453572	-3	-59.24903	187.326	0.0490	228.4625	28.6			Hydrae
9050	LP 286-7	PM	K5			21	21.533864	34	25.757729	187.889	0.1023	93.3244	-68.03			
9051	269 G. Sgr		F7V		2.64	20	3.7388333	-22	-35.73833	188.000						Sagittarii
9052	HD 145377 (HIP 79346)	b	G3V		4.31	16	11.6075	-27	-4.69	188.000				1	0.35	Scorpii
9053	HD 190580 (HIP 99188)		G3V		2.66	20	8.1595	-52	-34.665	188.000						Telescopii
9054	HD 99373 (HIP 55821)		F6IV		2.53	11	26.426333	33	27.033333	188.000						Ursae Majoris
9055	33 G. PsA		A3V		2.37	22	12.958333	-26	-19.66333	189.000						Piscis Austrini
9056	52 Sgr		B8/B9V		0.77	19	36.7065	-24	-53.01333	189.000						Sagittarii
9057	97 tau	V480 Tau; Hyades star cluster; delta Sct variable	A7IV-V		1.27	4	51.3735	18	50.396667	189.000						Tauri
9058	HD 20888 (HIP 15353)		A3V		2.21	3	17.983167	-66	-55.61333	189.000						Reticuli
9059	HD 65925 (HIP 39061)	B	F3V	?	1.41	7	59.473833	-39	-17.81	189.000						Puppis
9060	iota Sgr	241 G. Sgr	K0III		0.3	19	55.261333	-41	-52.105	189.000						Sagittarii
9061	HD 181720 (HIP 95262)	b	G1V		4.12	19	22.883167	-32	-55.14333	189.199	0.2468	168.0236	-45.345	1	0.33	Sagittarii
9062	2MASS J05241317-2104427	Star	M4			5	24.219653	-21	-4.715325	189.309	0.0194	114.7949	24.3			

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
9063	delta Ser A (HR 5789)	Qin, Tsin[2], component of the delta Ser system; quadruple star; delta Scuti-type variable star	F0 IV		−0.24	15	34.80245	10	32.333333	189.419	0.0428	79.7439	-41.5			Serpentis
9064	LSPM J1728+2646	White dwarf	DA			17	28.1213	26	46.320667	189.419	0.1533	190.7131				
9065	LP 32-304	PM				4	53.21259	69	11.708961	189.639	0.3266	116.9857				
9066	17 Del		K0 III			20	55.611667	13	43.283333	190.000						Delphini
9067	24 Cep		G7 II - III			22	9.8066667	72	20.466667	190.000						Cephei
9068	30 Ari	B	df5	df6	2.8	2	34.1	24	26	190.000						Arietis
9069	31 Cas		A0 Vnn			1	10.655	68	46.716667	190.000						Cassiopeiae
9070	40 Cas		G8 III			1	38.515	73	2.4	190.000						Cassiopeiae
9071	42 Her		M2.5 III ab			16	38.748333	48	55.7	190.000						Herculis
9072	44 Hya		K4 III			10	34.015	-23	-0.716667	190.000						Hydrae
9073	55 Cyg	Blues supergiant	B4Ia			20	48.938333	46	6.85	190.000						Cygni
9074	60 Leo		A1m			11	2.33	20	10.783333	190.000						Leonis
9075	82 Her (y Her) (HD 160290) (HIP 86182)		K1III			17	36.626667	48	35.133333	190.000						Herculis
9076	epsilon Psc	Kaht	K0III		0.44	1	2.9443333	7	53.405	190.000	0.0490	72.2971	7			Piscium
9077	HD 80606 & 7 (Struve 1341)	b	G5		5.1	9	22.626167	50	36.223333	190.000	0.0370	317.6657	3.6	1	0.35	Ursae Majoris
9078	omega Lup		K4.5III			15	38.0533	-42	-34.05	190.000						Lupi
9079	pi For		G5 III			2	1.033333	-30	-0.1	190.000						Fornacis
9080	pi Leo	Variable star	M2-III			10	0.2133333	8	2.65	190.000						Leonis
9081	rho Dra		K3 III			20	2.8183333	67	52.416667	190.000	1.8300	20.1258	-26.7			Draconis
9082	theta Gru		F5m Del			23	6.88	43	31.233333	190.000						Gruis
9083	chi Cap	dwarf	A0 V			21	8.56	-21	-11.61667	191.000						Capricorni
9084	ksi Psc	giant	K0III SB		0.78	1	53.555667	3	11.248333	191.000						Piscium
9085	theta Aqr (Ancha)		G8 III		5.144	22	16.83394	-7	-46.99742	191.000	0.0704	349.5630	-14.7			Aquarii
9086	zeta Sct	giant	K0III		0.82	18	23.659167	-8	-56.07	191.000						Scuti
9087	2MASS J11480502+0203509	Brown dwarf	L1			11	48.083582	2	3.8521385	191.309	0.2326	143.6460	-105			
9088	2MASS J13151492-1809530	Star				13	15.248535	-18	-9.881577	191.534	0.0822	83.4667	4.55			
9089	SCR 1533-3634	PM red / white dwarf stars Subasavage 2005	M			15	33.461667	-36	-34.04333	191.896	0.5550	237.2000				
9090	4 Vir		A1		1.46	11	47.9155	8	14.751667	192.000						Virginis
9091	H Pup		A4IV		1.07	7	3.8943333	-49	-35.055	192.000						Puppis
9092	HD 23985 (HIP 17954)	B	A2V	?	1.39	3	50.315167	25	34.778333	192.000						Tauri
9093	HIP 68988	has two planets (b & c)	G0		4.36	8	18.3695	61	27.643333	192.000				2	0.44	Ursae Majoris
9094	iota Ser	iota B C D	A1 V	A1 V, ?, ?		15	41.551667	19	40.21667	192.000						Serpentis
9095	2MASS J09475438-1535200	PM				9	47.906345	-15	-35.33387	192.326	0.0822	83.4667	5.66			
9096	47 Her (k Her) (HD 151956) (HIP 82402)		A3 m			16	50.323333	7	14.866667	192.520	0.0303	99.9924	-3.6			Herculis
9097	HIP 96016		K0III-IV		2.03	19	31.360167	26	37.026667	193.000						Vulpeculae
9098	nu Ser A	B	A0	A1V		17	20.828333	-12	-50.81667	193.000						Serpentis
9099	nu Ser B	A	A1V	A0	0.45	17	20.827333	-12	-50.81333	193.000						Serpentis

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
9100	psi Cas	giant B	K0 III	?		1	25.933333	68	7.8	193.100	0.0464	289.6600	-12			Cassiopeiae
9101	2MASS J13234295-3332442	PM				13	23.715948	-33	-32.73929	193.583	0.0641	159.0465	47.47			
9102	14 UMi		F5		3.51	15	21.508667	73	28.585	194.000						Ursae Minoris
9103	75 tau		K2IIIvar		1.08	4	28.4395	16	21.578333	194.000						Tauri
9104	HD 13747 (HIP 10446)		K1III		2.48	2	14.631333	28	41.485	194.000						Trianguli
9105	HD 102590 Leo		A8V	G2V		11	48.64515	14	17.052355	194.624	0.0595	87.9952	4			Leonis
9106	TWA 28	Brown dwarf	M9gamma			11	2.1639541	-34	-30.59289	194.740	0.0409	258.6827				
9107	44 tau	IM Tau; delta Sct variable	F2IV-V		1.51	4	10.831333	26	28.861667	195.000						Tauri
9108	gamma Her	B (tight 11.9 day orbit)	A9 III	?		16	21.92	19	9.1833333	195.000						Herculis
9109	HD 76700 (HIP 43686)	b Yellow dwarf	G6V		4.25	8	53.925333	-66	-48.06	195.000				1	0.22	Volantis
9110	HD 95429 (HIP 53771)		A3III/IV		2.26	11	0.139	-51	-49.06833	195.000						Velorum
9111	HD 9780 (HIP 7447)		F0IV		2.07	1	35.911167	17	26.026667	195.000						Piscium
9112	sigma 2 Cnc 59	subgiant	A7 IV			8	56.943333	32	54.616667	195.000						Cancri
9113	zeta Psc B		F7V		2.55	1	13.752833	7	34.703333	195.000						Piscium
9114	2MASS J02564708-6343027	PM	M4			2	56.784474	-63	-43.04542	195.324	0.0401	278.3090	25.31			
9115	OGLE LMC147.7 10	PM	M4.0			4	39.71256	-68	-12.45952	195.558	0.1078	285.5010				Doradus
9116	chi UMa Alkazah	(Alkafzah)	K0.5 IIIb			11	46.05	47	46.76667	196.000	0.0700		-4.02		0.057	Ursae Majoris
9117	HD 42683 (HIP 29185)		F8V		2.58	6	9.3905	-49	-33.78	196.000						Puppis
9118	ksi And Adhil	(Adhil) giant B	K0-IIIb	?		1	22.34	45	31.73	196.000						Andromedae
9119	beta And Mirach	(Mirach)	MO III	dwarf	0.2	1	9.7320647	35	37.233458	197.215	0.1214	122.5323	0.06			Andromedae
9120	2MASS J22593244+4450284	PM	M7.5			22	59.540937	44	50.47251	197.694	0.0489	128.6412				
9121	SCR 2001-4239	PM red / white dwarf stars Subasavage 2005	M			20	1.2745	-42	-39.61833	197.761	0.5940	165.5000				
9122	delta Vir (Auva)	B?	M3+ III	K dwarf?	-2.4	12	55.603333	3	23.85	198.000	0.2752	263.5865	-18.4			Virginis
9123	HD 75171 (HIP 42895)		A9V		2.12	8	44.500833	-65	-49.54167	198.000						Volantis
9124	UCAC4 433-008289	PM	M4			4	59.976161	-3	-33.20279	198.175	0.0459	297.2710	38.59			
9125	25 CVn		A7 III			13	37.460464	36	17.693895	198.417	0.0573	76.0400	-10.4			Canum Venaticorum
9126	q 2 Eri (HD 10939) (HIP 8241)		A1 V			1	46.105	-53	-31.31667	198.632	0.0813	295.3602	9.5			Eridani
9127	2MASS J18151564-4927472	PM	M3			18	15.260794	-49	-27.78802	198.901	0.0418	177.2326	-1.2			
9128	41 Vir		A7III		2.32	12	53.827833	12	25.11	199.000						Virginis
9129	alpha Tuc	B	K3 III	?		22	18.501667	-60	-15.58333	199.000	0.0800		40.23		0.02	Tucanae
9130	beta Peg (Scheat)	(variable)	M2 II		-1.49	23	3.775	28	4.966667	199.000	1.3543	36.2378	9			Pegasi
9131	iota Ant		K1 III			10	56.718333	-37	-8.27	199.000						Antliae
9132	2MASS J04574453-5638072	PM				4	57.742469	-56	-38.12463	199.632	0.0747	96.2090	53.84			
9133	SCR 0917-3849	PM red / white dwarf stars Subasavage 2005	M			9	17.2275	-38	-49.59667	199.715	0.4840	356.7000				
9134	1 r Vel		K1IIIvar		0.88	10	22.326833	-41	-39.00667	200.000						Velorum
9135	11 Lib		G8III			14	51.0167	-2	-17.95	200.000						Librae
9136	3 Cet	Variable star	K3Ib			0	4.5016667	-10	-30.56667	200.000						Ceti
9137	37 Com		G9 III CH			13	0.275	30	47.1	200.000						Comae Berenices
9138	4 Dra		M3 IIIa			12	30.111667	69	12.066667	200.000						Draconis
9139	41 LMi		A3Vn			10	43.416667	23	11.3	200.000						Leonis Minoris
9140	6 Sex		A8III		2.07	9	51.233667	-4	-14.59667	200.000						Sextantis

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
9141	CCDM J06474+1812 (HD 49059) (HIP 32539)	B, C	A2 V	?, ?		6	47.391667	18	11.6	200.000						Geminorum
9142	delta CrA		K1 III			19	8.3483333	-40	-29.8	200.000						Coronae Australis
9143	eta Gem Propus	(Propus) B	M3 III		-0.7	6	11.9	22	31	200.000	0.0700		18.51			Geminorum
9144	iota Tri	B	G5 III	F5 V		2	12.371667	30	18.183333	200.000	0.0800		-17.7			Trianguli
9145	lambda 1 Tuc		F7IV/V		2.73	0	52.4085	-69	-30.215	200.000						Tucanae
9146	2MASS J05331130-2914199	Star	M4			5	33.188502	-29	-14.33357	200.863	0.0145	281.1534	25.4			
9147	HD 109271 (HIP 61300)	3g planets	G5V			12	33.6	-11	-37.31667	201.000				3g	0.23	Virginis
9148	HD 25346 (HIP 18592)		F2IV		2.1	3	58.7145	-57	-6.143333	201.000						Reticuli
9149	HD 75487 (HIP 43624)		F5IV-V		2.4	8	53.098833	59	3.3683333	201.000						Ursae Majoris
9150	w Vel		Fp		0.5	9	0.0906667	-41	-15.225	201.000						Velorum
9151	KIC 11356952	low-mass	dM8.5			19	39.935196	49	10.10568	201.984	0.0820	204.1184				Cygni
9152	tau Scl		F2V		1.73	1	36.1405	-29	-54.44667	202.000						Sculptoris
9153	HD 140283 (HIP 76976) (GJ 1195)	Methuselah star (older than the Universe) over 14.46 Billion Years old. Extremely bright with heavy oxygen, low metallic Pop 2 extra galactic star	F9VkA5mA1			15	43.051613	-10	-56.00993	202.184	0.6722	254.7679	-170.37			Librae
9154	d Ser		G0III	A6V	-0.63	18	27.203333		11.8	203.000						Serpentis
9155	epsilon Cap (Castra) Kastra	B	B2.5Vpe	K1 III-IV		21	37.08	-19	-27.96667	203.000						Capricorni
9156	gamma Gru Aldhanab Ras Alkurki	(Aldhanab) (blue giant)	B8 III		-3.1	21	53.928333	-37	-21.9	203.000	0.1000		-1.93			Gruis
9157	HD 89328 (HIP 50391)		A8V+F3/5		2.51	10	17.336667	-46	-50.09667	203.000						Velorum
9158	upsilon Lib	B	K3.5III			15	37.024193	-28	8.1055087	203.073	0.0116	68.1317	-24.9			Librae
9159	SCR 0615-1812	PM red / white dwarf stars Subasavage 2005	M			6	15.399167	-18	-12.08	203.299	0.4860	150.9000				
9160	15 Tri		M3IIIa			2	35.78	34	41.261667	203.625						Trianguli
9161	1 i Vel		A3IV		0.39	11	0.1541667	-42	-13.55167	204.000						Velorum
9162	2 F Vel		A9/F0III/IV		1.1	8	27.610833	-53	-5.311667	204.000						Velorum
9163	232 G. Sgr		A6:IIIm...		2.13	19	48.050167	-13	-42.21333	204.000						Sagittarii
9164	37 G. tau		F2		2.51	4	9.7173333	3	19.37	204.000						Tauri
9165	HD 190228 (HIP 98714)	b	G5IV		3.34	20	3.0128333	28	18.411667	204.000				1	0.3	Vulpeculae
9166	ksi Aql	b	G9 IIIb			19	54.248027	8	27.687167	204.000	0.0756	321.2930	-41.8	1	0.36	Aquilae
9167	sigma 1 Cnc 51	dwarf	A8 Vma			8	52.576667	32	28.45	204.000						Cancri
9168	SCR 1132-8446	PM Red & White dwarf stars Subasavage 2004	M			11	32.366333	-84	-46.47333	204.277	0.6500	279.9000				
9169	chi Cas		G9 IIIb			1	33.931667	59	13.916667	204.400	0.0285	241.7060	6			Cassiopeiae
9170	9 Hya		G9.5 III			8	41.722265	-15	-56.60288	204.791	0.0569	177.8462	-1.98			Hydrae
9171	209 G. Vir		F4V		2.25	14	3.9293333	4	54.058333	205.000						Virginis
9172	56 Sgr		K0III		0.88	19	46.363667	-19	-45.65333	205.000						Sagittarii
9173	HD 102942 (HIP 57805)		Am		2.25	11	51.1585	33	22.498333	205.000						Ursae Majoris
9174	HD 138803 (HIP 76198)		F3III		2.5	15	33.879	17	8.2483333	205.000						Serpentis

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
9175	HD 224361 (HIP 118092)	B	A1IV	?	1.96	23	57.329667	-62	-57.39667	205.000						Tucanae
9176	HD 72954 (HIP 42075)		G5V		2.42	8	34.5325	-32	-35.90333	205.000						Pyxidis
9177	iota PsA		B9.5V		0.36	21	44.9465	-33	-1.533333	205.000						Piscis Austrini
9178	UCAC3 98-153320	SB				14	25.485346	-41	-13.53927	205.552	0.0378	226.9238	-1.2			
9179	SCR 1445-5046	PM Red & White dwarf stars Subasavage 2004	M			14	45.399333	-50	-46.10667	205.580	0.4350	244.1000				
9180	2 Cen		M5 III			13	49.445366	-34	-27.04641	205.594	0.0438	217.0415	40.7			Centauri
9181	upsilon 2 Cas	giant	G8 IIIb Fe		0.62	0	56.663333	59	10.866667	205.900	0.0600	243.9070	-47			Cassiopeiae
9182	SCR 0006-6617	PM Red & White dwarf stars Subasavage 2004	M			0	6.5621667	-66	-17.51333	205.906	0.5590	161.7000				
9183	65 Leo (p04 Leo)		K0III			11	6.9034602	1	57.33154	205.942	0.2280	257.3952	56.13			Leonis
9184	109 tau		G8III		0.96	5	19.2765	22	5.8016667	206.000						Tauri
9185	HD 102328 (HIP 57477)		K3III		1.26	11	46.926833	55	37.696667	206.000						Ursae Majoris
9186	HD 111270 (HIP 62402)		A9V		1.88	12	47.3155	62	46.868333	206.000						Ursae Majoris
9187	HD 41214 (HIP 28484)		A1mA3-A7		1.65	6	0.82	-51	-12.99333	206.000						Pictoris
9188	phi Aql subgiant	B	A1 IV		5.299	19	56.237532	11	25.4235	206.000	0.0190	8.0290	-27.2			Aquilae
9189	theta Gem Nageba		A3 III			6	52.788333	33	57.666666	206.000						Geminorum
9190	SCR 0849-3138	PM red / white dwarf stars Subasavage 2005	M			8	49.648833	-31	-38.37667	206.231	0.4050	344.2000				
9191	psi Lup	(cool giant)	G8III			15	39.766322	-34	-24.71512	206.713	0.0077	152.5096	-21.9			Lupi
9192	eta Sct		K1III		0.82	18	57.0605	-5	-50.77333	207.000						Scuti
9193	gamma Pyx (HD 75691) (HIP 43409)		K3III		−0.01	8	50.532045	-27	-42.59048	207.360	0.0923	57.1509	24.5		0.02	Pyxidis
9194	SCR 0135-5943	PM Red & White dwarf stars Subasavage 2004	M			1	35.7785	-59	-43.23833	207.535	0.4120	81.5000				
9195	26 Sgr		A3m...		2.2	18	41.860167	-23	-50.00167	208.000						Sagittarii
9196	64 Vir		A2m		1.87	13	22.162167	5	9.2916667	208.000						Virginis
9197	HD 101364 (HIP 56948)	Solar Twin	G5 V		4.83	11	40.4747	69	0.51	208.000	0.0739	269.0388	5.4		0.46	Draconis
9198	HD 18331		A1 Vn			2	56.623333	-3	-42.73333	208.196	0.0337	219.9054	-10.7			Eridani
9199	57 UMa		A2V		1.26	11	29.069333	39	20.216667	209.000						Ursae Majoris
9200	HD 162517 (HIP 87532)		F2V		1.99	17	52.96	-35	-37.45167	209.000						Scorpii
9201	V923 Sco (118 G. Sco)		F3V		1.88	17	3.8478333	-38	-9.15	209.000						Scorpii
9202	SCR 1954-7356	PM Red & White dwarf stars Subasavage 2004	M			19	54.107167	-73	-56.84667	209.489	0.5350	148.6000				
9203	HD 74156 (HIP 72723)	PM, b, c	G1 V		3.57	8	42.4187	4	34.6859	209.920	0.1178	172.9543	3.7	2g	0.38	Hydrae
9204	50 G. Vir		A1V		1.9	12	25.196667	-11	-36.63	210.000						Virginis
9205	chi Lup		B9.5V	A2Vm		15	50.959	-33	-37.63	210.000	0.0149	193.3687	5			Lupi
9206	HD 143361 (HIP 78521)	B	G6V	M3.5		16	1.8391175	-44	-26.07202	210.000	0.1149	233.2531	-1.5	1g	0.36	Normae
9207	lambda 2 Tuc		G7III		1.4	0	55.005	-69	-31.61833	210.000						Tucanae
9208	127 G. Sco		A0/A1V		1.61	17	12.270333	-39	-30.40667	211.000						Scorpii
9209	16 Vul		F2III		1.17	20	2.0228333	24	56.271667	211.000						Vulpeculae
9210	HD 171130 (HIP 90991)		A0/A1V		1.68	18	33.65	-14	-51.215	211.000						Scuti
9211	omicron Cep	B	G8 III	F6 V	0.8 / 3.1	23	18.624883	68	6.6866667	211.000	0.0326	281.2440	0			Cephei

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
9212	2MASS J01215640-2325075	PM				1	21.94008	-23	-25.13036	211.834	0.0628	214.4184	11.92			
9213	15 G. Sco		K3III		0.9	16	3.3445	-25	-51.90833	212.000						Scorpii
9214	29 G. PsA		A5IV		1.3	22	9.9285	-34	-0.901667	212.000						Piscis Austrini
9215	epsilon Pyx		A4IV		1.52	9	9.9401667	-30	-21.91667	212.000						Pyxidis
9216	omicron tau (Atirsagne)		G6 IIIFe-1			3	24.813333	9	1.73333	212.000					0.057	Tauri
9217	136 G. Vir		A2V		1.62	13	21.694667	2	5.2416667	213.000						Virginis
9218	29 Vul		A0V		0.73	20	38.5215	21	12.07	213.000						Vulpeculae
9219	38 Psc		F5		2.58	0	17.408333	8	52.58	213.000						Piscium
9220	76 G. Sgr		B9/B9.5V		1.04	18	31.438333	-18	-24.15833	213.000						Sagittarii
9221	kappa Leo (Uranographia Minkhir Al-Asad)		K2 III			9	24.655	26.182222	0.1666667	213.000						Leonis
9222	tau A Vir	B	A3 V		0.1	14	1.6466667	1	32.66666	213.000						Virginis
9223	tau Aur	B C	G8 III		5.462	5	49.173968	39	10.864267	213.000	0.0222	221.9560	-19.6			Aurigae
9224	254 G. Sgr		K1III		2.18	19	58.9395	-30	-32.295	214.000						Sagittarii
9225	HD 20115		G0V			3	14.048118	0	44.36092	214.201	0.0435	102.5205	28.3			
9226	lambda Hyi (HD 4815) (HIP 3781)		K4III			0	48.59	-74	-55.4	214.308	0.0796	104.4336	-10.67			Hydri
9227	[FS2003] 301	Star	M4.5			5	42.397833	-27	-58.05344	214.908	0.0048	170.7110				
9228	121 G. Sco		A4III		2.08	17	5.8078333	-44	-6.306667	215.000						Scorpii
9229	eta Peg (Matar)	B	G2 II	F0 V	-2.2	22	43.000017	30	30.28333	215.000					0.057	Pegasi
9230	HD 142139 (HIP 78045)		A3V		1.66	15	56.099333	-60	-28.93833	215.000						Trianguli Australis
9231	W Pup		K1III		1.02	7	43.697167	-40	-56	215.000						Puppis
9232	2MASS J03083872-2035509	PM				3	8.6454687	-20	-35.85243	215.762	0.0473	250.1934	1.03			
9233	31 Vul		G8III		0.45	20	52.128833	27	5.8283333	216.000						Vulpeculae
9234	36 G. Ser Cau		F6III-IV		2.25	18	24.06	-3	-34.98167	216.000						Serpentis
9235	85 G. Vir		F7V		2.16	12	47.557	-6	-18.09833	216.000						Virginis
9236	epsilon TrA		K0III		0	15	36.719833	-66	-19.015	216.000						Trianguli Australis
9237	HD 90470 (HIP 51200)		A2V		1.89	10	27.468	41	36.073333	216.000						Ursae Majoris
9238	iota Cap	(variable)	G7 III Fe			21	22.246667	-16	-50.66667	216.000						Capricorni
9239	SDSS J113057.28+161305.8	PM	M3V			11	30.954539	16	13.091877	216.478	0.0608	70.0897	61			
9240	84 Vir		K1III		1.23	13	43.064667	3	32.285	217.000						Virginis
9241	pi Scl		K1II/III		1.13	1	42.144167	-32	-19.61167	217.000						Sculptoris
9242	Xi1 Cen	dwarf	A0 V		0.71	13	3.5533333	-49	-31.63333	217.900	0.0279	256.4340	0			Centauri
9243	5 Vul		A0V		1.47	19	26.220667	20	5.87	218.000						Vulpeculae
9244	92 G. Vir		A2V		1.88	12	54.312333	-11	-38.915	218.000						Virginis
9245	zeta Nor	Yellow-White Giant	F2III			16	13.378284	-55	-32.4569	218.000	0.0630	247.0299	-45.6			Normae
9246	SCR 1014-4428	PM red / white dwarf stars Subasavage 2005	M			10	14.6795	-44	-28.02	218.938	0.4090	192.9000				
9247	2MASS J15133507-0929284	PM				15	13.584595	-9	-29.47294	218.952	0.0524	323.6062	-9.31			
9248	eta Nor	Yellow Giant	G8 III			16	3.2149638	-49	-13.78192	219.000	0.0250	282.2631	0.3			Normae
9249	HD 70612 (HIP 40947)		A4V		2.01	8	21.403	-39	-37.24333	219.000						Puppis
9250	1 CMi		A5 IV			7	24.97	11	40.183333	220.000						Canis Minoris
9251	101 Her		A8 III			18	8.8816667	20	2.7166667	220.000						Herculis

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
9252	12 Cas		B9 III			0	24.791667	61	49.866667	220.000						Cassiopeiae
9253	39 Cet	B	G5 IIIe	dA		1	16.605	-2	-30.01667	220.000						Ceti
9254	4 Equ		F8 v			21	5.445	5	57.5	220.000						Equulei
9255	52 Cyg		G9.5 III			20	45.661667	30	43.183333	220.000						Cygni
9256	87 Leo		K3.5 III			11	30.315	-3	-0.216667	220.000						Leonis
9257	89 Psc		A3V		0.99	1	17.799667	3	36.871667	220.000						Piscium
9258	alpha Cet (Menkar) Menkab	(red giant)	M2 III		-1.62	3	2.28	4	5.3833333	220.000	0.0463	188.5280	-24.94			Ceti
9259	c Her (HD 155103) (HIP 83838)		A5 h F0V m F2			17	8.0333333	35	56.116667	220.000						Herculis
9260	eta Cyg		K0 III			19	56.306667	35	5	220.000						Cygni
9261	gamma Cru	Southern Cross Star	Me II		-2.5	12	28.4	-56	-50	220.000	0.2700	175.0000	20.92			Crucis
9262	HD 213884 (HIP 111548)		A5V		2.07	22	35.880667	-57	-53.02333	220.000						Tucanae
9263	NGC 6960 Bridal Veil	Nebula	Supernova			20	54.3	31	30	220.000						
9264	nu Aur A	B?	G9.5 III			5	51.489983	39	8.9088167	220.000	0.0049	2.6330	9.7			Aurigae
9265	nu Gru		G9 III			22	28.653333	-39	-7.916667	220.000						Gruis
9266	phi Aqr	(red giant)	M2 III		5.78	23	14.322662	-6	-2.940167	220.000	0.1171	283.2760	-0.4			Aquarii
9267	pi Cep	B C	G2 III	G0 IV, ?		23	7.897517	75	23.249767	220.000	0.0207	170.7120	-18.6			Cephei
9268	sigma Sgr (Nunki)		B2.5 V		-2.14	18	55.265	-26	-17.8	220.000	0.0600	14.8000	-11			Sagittae
9269	tau 9 Eri 36	B	B6 V	B9.5 V		3	59.925	-24	-0.983333	220.000						Eridani
9270	tau Dra		K2 IIIb			19	15.55	73	21.333333	220.000						Draconis
9271	zeta CrB	B	B9 V	B7 V		15	39.378333	36	38.15	220.000						Coronae Borealis
9272	zeta Del		A3 V			20	35.308333	14	40.45	220.000						Delphini
9273	5 Leo	(variable)	K0-III			9	31.945	11	17.983333	220.421	0.0708	227.7089	35.83			Leonis
9274	SCR 0303-7209	PM Red & White dwarf stars Subasavage 2004	M			3	3.7355	-72	-9.998333	220.892	0.4300	85.9000				
9275	34 G. PsA		F7II		1.43	22	13.739833	-25	-10.855	221.000						Piscis Austrini
9276	Chi1 Sgr		A4IV/V		0.87	19	25.274167	-24	-30.50667	221.000						Sagittarii
9277	FZ Vel	delta Sct variable	Am		1.02	8	58.873833	-47	-14.09	221.000						Velorum
9278	HD 99859 (HIP 56083)		A5V		2.13	11	29.727667	56	44.26	221.000						Ursae Majoris
9279	15 Vul	NT Vul; CVn variable	A4III		0.49	20	1.1001667	27	45.213333	222.000						Vulpeculae
9280	alpha Lyn	(variable)	K7III		-0.3	9	21.0577	34	23.5517	222.000	0.2200		38.62			Lyncis
9281	gamma PsA		A0III		0.29	22	52.526	-32	-52.52667	222.000						Piscis Austrini
9282	HD 222872 (HIP 117107)		F3/F5V		2.07	23	44.485	-26	-14.795	222.000						Sculptoris
9283	HD 31236 (HIP 22850)	Hyades star cluster	F3IV		2.19	4	54.972	19	29.126667	222.000						Tauri
9284	ksi tau	eclipsing binary	B9Vn		−0.44	3	27.168667	9	43.966667	222.000						Tauri
9285	psi 1 Psc		A0Vn		1.38	1	5.6946667	21	27.928333	222.000						Piscium
9286	50 Hya		K3 III			14	12.767049	-27	-15.67114	222.372	0.0217	200.2883	27.78			Hydrae
9287	SCR 0000-5029	PM Red & White dwarf stars Subasavage 2004	M			0	0.7353333	-50	-29.41667	222.521	0.4020	91.8000				
9288	27 Vir	GG Vir; delta Sct variable	A7Vn		2.04	12	41.574333	10	25.576667	223.000						Virginis
9289	31 UMa	SY UMa	A3III		1.1	9	55.716833	49	49.188333	223.000						Ursae Majoris
9290	HD 88399 (HIP 49844)		K3III		1.81	10	10.628333	-41	-42.89667	223.000						Velorum

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
9291	SCR 1648-2049	PM red / white dwarf stars Subasavage 2005	M			16	48.389667	-20	-49.59	223.499	0.6790	245.8000				
9292	HD 136029	PM	G8/K0V			15	18.459938	0	47.172665	223.764	0.0466	179.0127	27			
9293	25 Vir		A3V		1.69	12	36.7895	-5	-49.91167	224.000						Virginis
9294	38 UMa		K2IIIvar		0.94	10	41.946333	65	42.988333	224.000						Ursae Majoris
9295	kappa Vir	giant	K2.5 IIIFe			14	12.896667	-10	-16.42	224.000					0.057	Virginis
9296	Kappa1 Scl		F3V		1.24	0	9.3503333	-27	-59.275	224.000						Sculptoris
9297	SCR 2018-4836	PM Red & White dwarf stars Subasavage 2004	M			20	18.227667	-48	-36.865	224.802	0.4100	147.2000				
9298	1 l Vel		K1III		0.73	9	15.612667	-38	-34.195	225.000						Velorum
9299	119 G. Pup		B8V		0.46	7	35.382333	-28	-22.15667	225.000						Puppis
9300	186 G. Sgr		B8/B9V		1.46	19	26.941167	-29	-44.58667	225.000						Sagittarii
9301	73 G. Sco		K1III		1.87	16	31.381167	-26	-32.25333	225.000						Scorpii
9302	delta Lib	B (eclipsing)	A0	G?	0.7	14	58.3	-8	-19	225.000	0.0600		-38.62			Librae
9303	omicron Boö	giant	G8.5 III			14	45.241667	16	57.866667	225.000						Boötis
9304	SCR 0252-7038	PM Red & White dwarf stars Subasavage 2004	M			2	52.533667	-70	-38.37167	225.128	0.7670	201.0000				
9305	HD 132832	SB	F7V			15	1.0231699	2	53.847237	225.155	0.0675	226.3997	2.18			
9306	rho Gru		K0 III			22	43.499615	-41	-24.86076	225.176	0.0547	174.4107	30.89			Gruis
9307	34 G. Sco		F0IV		1.66	16	11.296167	-41	-7.17	226.000						Scorpii
9308	delta Pyx		A3IV		0.66	8	55.525333	-27	-40.89833	226.000						Pyxidis
9309	HD 203925 (HIP 105703)		A8III		1.53	21	24.566167	26	10.473333	226.060	0.0289	276.3618	-3			Vulpeculae
9310	GD 117	White dwarf	DA7.6			10	22.582466	46	0.9790135	226.093	0.0999	87.1580	27			
9311	2MASS J04363294-7851021	PM	M4			4	36.549236	-78	-51.03693	226.722	0.0315	322.5384	26.5			
9312	chi Boö	dwarf	A2 V			15	14.486667	29	9.85	227.000						Boötis
9313	HD 102713 (HIP 57670)		F5IV		1.52	11	49.696667	34	55.905	227.000						Ursae Majoris
9314	HD 69123 (HIP 40344)		K1III		1.56	8	14.2215	-35	-29.405	227.000						Puppis
9315	HIP 91880 (HD 173093)		F7V		2.09	18	43.853667	-6	-49.08	227.000						Scuti
9316	phi Ser	sub-giant	K1IV		1.33	15	57.244	14	24.856667	227.000						Serpentis
9317	Q Pup		K0III		0.48	7	48.3375	-47	-4.651667	227.000						Puppis
9318	sigma Scl	alpha2 CVn-type variable star	A1/A2IV		1.29	1	2.4396667	-31	-33.12333	227.000						Sculptoris
9319	2MASS J07140101-1945332	Star	M4.5			7	14.016874	-19	-45.55278	227.038	0.0187	43.5436				
9320	GD 184	White dwarf	DQA			15	32.167431	13	56.26842	227.514	0.1089	174.5053	33			
9321	20 Dra		F1 3V			16	56.421113	65	2.3475017	227.832	0.0282	46.6476	-35.2			Draconis
9322	1 d Vel		G5III		−0.18	8	44.3995	-42	-38.96	228.000						Velorum
9323	239 G. Vir		A7V		1.96	14	19.682833		23.061667	228.000						Virginis
9324	59 G. PsA		F0V		2.12	22	49.9875	-32	-48.32333	228.000						Piscis Austrini
9325	chi Ser	alpha2 CVn-type variable star	A0p Sr		1.11	15	41.789833	12	50.851667	228.000						Serpentis
9326	SCR 1409-5337	PM Red & White dwarf stars Subasavage 2004	M			14	9.8246667	-53	-37.44	228.712	0.4500	212.4000				
9327	14 Psc	PM	A2m		1.67	23	34.150258	-1	-14.85359	228.799	0.0625	97.5833	-2.8			Piscium
9328	79 gamma Vir		G8IIIp		1.68	12	43.633667	-1	-34.60833	229.000						Virginis

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
9329	alpha Cas Schedar Shadar Schedir Shedir	giant	K0II			0	40.508333	56	32.241667	229.000	0.0348	122.5700	-4.02		0.016	Cassiopeiae
9330	HD 75605 (HIP 43352)		G8III		0.96	8	49.858333	-32	-46.825	229.000						Pyxidis
9331	HD 76512 (HIP 43853)		A4V		2.16	8	55.932167	-23	-49.105	229.000						Pyxidis
9332	10 Dra		M3.5 III			13	51.431667	64	43.4	230.000						Draconis
9333	14 Com		F0 p			12	26.401667	27	16.1	230.000						Comae Berenices
9334	16 Lyn (Aurigae)		A2Vn		4.935	6	57.6185	45	5.65	230.000	0.0127	261.6516	-8			Lyncis
9335	20 Cyg		K3 III Cn			19	50.628333	52	59.283333	230.000						Cygni
9336	20 Eri		B9.5 p			3	36.29	-17	-28.01667	230.000						Eridani
9337	41 Cyg		F5 II			20	29.395	30	22.116667	230.000						Cygni
9338	45 Her		A3 m			16	47.773333	5	14.8	230.000						Herculis
9339	55 Leo	(variable)	F2 III V			10	55.706667		44.216667	230.000						Leonis
9340	81 Gem		K4 III IIIb			7	46.123333	18	30.6	230.000						Geminorum
9341	9 Her		K5III			16	13.256667	5	1.2666667	230.000						Herculis
9342	epsilon Aqr (Albali)	(variable?)	A1.5 V		3.783	20	47.675858	-9	-29.74655	230.000	0.0277	312.1000	-16			Aquarii
9343	HD 167588 (HIP 89408)		F8 V			18	14.733333	29	12.433333	230.000						Herculis
9344	kappa Aqr (Situla)	B	K2 III		6.186	22	37.75635	-4	-13.68335	230.000	0.0806	240.4280	8.2			Aquarii
9345	omicron 2 Cyg	B	K3 Ib	A3		20	15.4717	47	42.8667	230.000					0.02	Cygni
9346	phi 3 Hya		G8 III Fe			10	38.583333	-16	-52.6	230.000						Hydrae
9347	rho Hya 13		A0 Vn			8	48.433333	5	50.266667	230.000						Hydrae
9348	tau 7 Eri 28		A2			3	47.66	-23	-52.48333	230.000						Eridani
9349	upsilon Dra		K 0IIIBa			18	54.398333	71	17.833333	230.000						Draconis
9350	beta Her Kornephoros	(Kornephoros) B	G7III	?	0.3	16	30.220008	21	29.378021	230.213	0.0586	258.5502	-25.91		0.057	Herculis
9351	HD 157482 (V819 Her) (HIP 84949)		F7V			17	21.726667	39	58.466667	230.544	0.0302	166.8757	-3.37			Herculis
9352	2MASS J13484710-2236123	PM				13	48.785329	-22	-36.20902	230.737	0.0604	104.6551	24.26			
9353	48 Cet		A1 V			1	29.601667	-21	-37.76667	230.774	0.0325	274.6300	-0.1			Ceti
9354	phi Sgr	giant	B8.5III		−1.08	18	45.655833	-26	-59.44667	231.000			20.92			Sagittarii
9355	SCR 1328-7253	PM Red & White dwarf stars Subasavage 2004	M			13	28.701667	-72	-53.79	231.970	0.7890	247.2000				
9356	95 Psc		G0V		2.75	1	27.6635	5	21.186667	232.000						Piscium
9357	HD 181295 (HIP 95239)		F0V		2.16	19	22.628	-51	-13.875	232.000						Telescopii
9358	HD 71722 (HIP 41373)		A0V		1.79	8	26.420667	-52	-48.45	232.000						Velorum
9359	HD 90170 (HIP 50903)		K0IV		1.98	10	23.6785	-41	-57.19333	232.000						Velorum
9360	2MASS J01182472-2611189	PM				1	18.412007	-26	-11.31713	233.381	0.0267	226.1654	15.26			
9361	34 Sex		F5		2.29	10	42.6255	3	34.981667	234.000						Sextantis
9362	73 Vir	HX Vir; delta Sct variable	A7IV/V		1.73	13	32.047833	-18	-43.73	234.000						Virginis
9363	HD 83520 (HIP 47204)	B	A2	A3V	1.16	9	37.211333	-53	-40.10833	234.000						Velorum
9364	2MASS J05415429-7913139	PM				5	41.905099	-79	-13.23149	234.052	0.0520	0.6591	18.89			
9365	HD 104755 (29 G. Vir)	PM	F5		2.32	12	3.7406789	5	33.465064	234.220	0.1003	241.1136	9.28			Virginis
9366	16 Ser		K0p		0.97	15	36.4925	10	0.6266667	235.000						Serpentis
9367	omega Her Kajam	(Kajam)	B9p Cr			16	25.416667	14	2	235.000						Herculis
9368	HD 91948	SB	F6V			10	38.331117	60	7.4722221	235.065	0.1189	186.7226	-69			

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
9369	2MASS J04341131-3149120	Star	M4			4	34.188678	-31	-49.20229	235.235	0.0194	236.4593				
9370	HD 106314	PM	G8/K0IV			12	13.929551	2	15.61316	235.235	0.0543	257.5922	-3.67			
9371	SCR 0850-4934	PM Red & White dwarf stars Subasavage 2004	M			8	50.415	-49	-34.395	235.553	0.4690	295.5000				
9372	2MASS J10204460-6311214	RotV	M4			10	20.743346	-63	-11.35729	235.916	0.0262	73.6557				
9373	104 Vir		A2IV		1.88	14	27.407	-6	-7.211667	236.000						Virginis
9374	4 Pup		F2V		0.73	7	45.948	-14	-33.83	236.000						Puppis
9375	c Ser		K0III		1.08	18	29.682667	-1	-59.11333	236.000						Serpentis
9376	HD 117376 (HIP 65728)		A1Vn		1.1	13	28.453	59	56.741667	236.000						Ursae Majoris
9377	HD 126614 (HIP 70623)	multiple star; b	K0		4.51	14	26.804667	-5	-10.66667	236.000	0.1234	225.7850				Virginis
9378	IM Vel	CVn variable	F0p		1.88	9	36.4235	-48	-45.07	236.000						Velorum
9379	zeta Pyx		G5III		0.56	8	39.708167	-29	-33.65167	236.000						Pyxidis
9380	SCR 1143-7047	PM Red & White dwarf stars Subasavage 2004	M			11	43.190667	-70	-47.35667	236.205	0.4600	266.5000				
9381	7 PsA		A5V		1.79	21	36.8125	-33	-2.873333	237.000						Piscis Austrini
9382	HD 4088 (HIP 3352)		K5III		1.68	0	42.694	-60	-15.76167	237.000						Tucanae
9383	upsilon 1 Cnc	giant	F0 IIIn			8	31.508333	24	4.8666667	237.000						Cancri
9384	2 N Vel	Marut	K5III		−1.15	9	31.2225	-57	-2.063333	238.000						Velorum
9385	HD 65810 (HIP 39095)		A1V		0.29	7	59.867667	-18	-23.94833	238.000						Puppis
9386	HD 71043 (HIP 41081)		A0V		1.57	8	22.919667	-52	-7.426667	238.000						Velorum
9387	psi 1 Psc B		A1Vn		1.01	1	5.6821667	21	28.393333	238.000						Piscium
9388	zeta Leo (Aldhafera) (HD 89025) (HIP 50335)		F0 III		0.5	10	16.690234	23	25.038487	238.510	0.0134	105.4596	-21.4			Leonis
9389	34 G. Ser Cap		K0III:		1.49	16	0.8526667	4	25.63	239.000						Serpentis
9390	AI Scl	delta Sct variable	A9IV: (+F/G)		1.62	1	12.756167	-37	-51.385	239.000						Sculptoris
9391	HR 3803		K5 III			9	32.22222	-57	-2.06263	239.000	0.0192	79.7742	-13.9			Velorum
9392	theta Vol	White dwarf	A0 V		0.86	8	39.086667	-70	-23.21667	239.000						Volantis
9393	SCR 0223-0558	PM red / white dwarf stars Subasavage 2005	M			2	23.444	-5	-58.79	239.137	0.5300	84.5000				
9394	HD 149143 (HIP 81022)	b planetary disk Sun like system	G5			16	32.850847	2	5.08969	239.244	0.0508	186.1381	12.16			Ophiuchi
9395	41 Cap (HD 206356) (HIP 107128)		K0III			21	42.013333	-23	-15.76667	239.608	0.0766	135.8941	-44.23			Capricorni
9396	iota Hya (HD 83618) (HIP 47431)		K2.5 III - IIIb			9	39.856667	-1	-8.566667	239.981	0.0454	143.0318	24.19			Hydrae
9397	alpha Ara (Tchou) Choo	B	B2 V	?	-2.4	17	31.841555	-49	-52.56868	240.000	0.0431	245.0000	0			Arae
9398	eta And	B	G8III-IV	G8III-IV	0.52	0	57.206667	23	25.06	240.000	0.0369	226.5000	-10.3			Andromedae
9399	gamma Ori (Bellatrix)		B2 III		-2.72	5	25.1317	6	20.98	240.000	0.0093	213.0000	17.7			Orionis
9400	V4333 Sgr (208 G. Sgr)	delta Sct variable	F0V		1.8	19	36.434333	-18	-51.17333	240.000						Sagittarii
9401	CCDM J10062-4722AB (HD 87783) (HIP 79485)	B, ?	K1III	G, ?	0.57	10	6.187	-47	-22.19167	240.088	0.0307	191.2334	21.2			Velorum
9402	SCR 2250-5726AB	PM Subasavage 2004	M	M		22	50.750833	-57	-26.03	240.115	0.7140	117.3000				
9403	12 Sex		F0V		2.34	9	59.718667	3	23.085	241.000						Sextantis

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
9404	40 Ser	FP Ser; delta Scuti-type	A7Vn		1.94	15	54.671167	8	34.82	241.000						Serpentis
9405	alpha Del Sualocin	(Sualocin) B C D E F	B9 V	F5 III		20	39.638117	15	54.724833	241.000	0.1100		-22.53			Delphini
9406	HD 22522 (HIP 16924)		A5IV		2.05	3	37.797	15	25.836667	241.000						Tauri
9407	HD 73017 (HIP 42372)		G8IV		1.32	8	38.371	53	24.095	241.000						Ursae Majoris
9408	HIP 90884 (HD 170902)		A4/A5IV/V		2.01	18	32.344333	-14	-38.65333	241.000						Scuti
9409	iota Lep		B8V		0.11	5	12.298167	-11	-52.15	241.000						Leporis
9410	ksi Aur	dwarf	A2 V			5	54.846667	55	42.416667	241.000						Aurigae
9411	129 G. Vir		F0V		2	13	17.498167		40.561667	242.000						Virginis
9412	89 Vir		K0III		0.61	13	49.872333	-18	-8.045	242.000						Virginis
9413	chi And Keun Nan Mun	(Keun Nan Mun) giant	G8 III		5.01	1	39.35	44	23.166667	242.000						Andromedae
9414	eta Pyx		A0V		0.89	8	37.8695	-26	-15.29833	242.000						Pyxidis
9415	2MASS J19250216-3621500	Star	M4.5			19	25.036205	-36	-21.83408	242.230	0.0254	165.7961				
9416	HD 88133 Leo (HIP 49813)	(Yellow subgiant), b	G5 IV			10	10.128	18	11.212333	242.700				1e	0.035	Leonis
9417	26 tau		F0		2.11	3	48.9485	23	51.436667	243.000						Tauri
9418	34 Vir		A3V		1.75	12	47.227	11	57.488333	243.000						Virginis
9419	HD 23258 (HIP 17453)		A0V		1.72	3	44.469833	20	55.726667	243.000						Tauri
9420	HIP 91751 (HD 172831)		K0.5III		1.77	18	42.602	-7	-4.418333	243.000						Scuti
9421	SCR 0709-3941	PM red / white dwarf stars Subasavage 2005	M			7	9.6176667	-39	-41.875	243.698	0.4260	190.4000				
9422	11 Sgr		K0III		0.59	18	11.722167	-23	-42.07	244.000						Sagittarii
9423	24 Sex	two planets (b & c)	G5		2.08	10	23.472167		-54.13	244.000				2	0.36	Sextantis
9424	31 Vir		A2V		1.2	12	41.952667	6	48.398333	244.000						Virginis
9425	53 G. Sex		A1sp...		1.68	10	28.732667	-3	-44.53833	244.000						Sextantis
9426	6 Ser		K3III		0.98	15	21.033667		42.935	244.000						Serpentis
9427	8 Pup		F3IV		2	7	51.681333	-12	-49.16333	244.000						Puppis
9428	d2 Vir		A8m		0.85	12	45.618667	7	40.398333	244.000						Virginis
9429	Kappa1 Sgr	292 G. Sgr	A0V		1.23	20	22.458	-42	-2.961667	244.000						Sagittarii
9430	146 G. Vir		A7III		1.59	13	26.191333	-1	-11.54833	245.000						Virginis
9431	30 Sgr		F2IV		1.91	18	50.841667	-22	-9.726667	245.000						Sagittarii
9432	46 UMa		K1III		0.64	10	55.741	33	30.42	245.000						Ursae Majoris
9433	54 Sgr		K1III		0.92	19	40.722333	-16	-17.58833	245.000						Sagittarii
9434	77 Vir		F0		2.64	13	33.409333	-7	-37.35667	245.000						Virginis
9435	HD 93453 (HIP 52709)		A4IV		1.91	10	46.619	-43	-11.55167	245.000						Velorum
9436	6 CVn		G9 III			12	25.848333	39	1.1166667	245.398	0.0491	246.4030	-4.3			Canum Venaticorum
9437	24 G. tau		A2Vn		1.7	3	57.028333	6	2.4083333	246.000						Tauri
9438	psi Cen	subgiant	A0 IV		-0.34	14	20.556667	-37	-53.11667	247.000	0.0381	259.9850	-5			Centauri
9439	HD 91190 (HIP 51808)		G8 III - IIIb			10	35.091667	75	42.783333	247.470	0.0122	87.2642	16.34			Draconis
9440	16 G. Ser Cau		A0V		1.52	17	56.317333	-15	-48.74167	249.000						Serpentis
9441	250 G. Vir		A5IV		1.55	14	29.841833		49.735	249.000						Virginis
9442	32 G. Sgr		K0III		1.1	18	7.8066667	-17	-9.258333	249.000						Sagittarii
9443	32 UMa		A8III		1.32	10	18.035833	65	6.5016667	249.000						Ursae Majoris
9444	alpha Tel	subgiant	B3 IV			18	26.973333	-45	-58.1	249.000						Telescopii

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
9445	mu UMa	Tania Australis, Alkafzah Australis; semiregular variable	M0III SB		−1.35	10	22.33	41	29.966667	249.000						Ursae Majoris
9446	105 Her		A5 m			18	20.951667	29	51.533333	250.000						Herculis
9447	13 Leo		K2			9	41.641667	25	54.766667	250.000						Leonis
9448	16 Sco		A4V		1.01	16	12.1215	-8	-32.855	250.000						Scorpii
9449	delta Del		A7 IIIp Del			20	43.458333	15	4.466667	250.000						Delphini
9450	iota Lib	B gamma delta?	A0 p	?		15	9.7	-19	-36	250.000	0.0600		-11.27			Librae
9451	kappa Dra Ketu	Blue giant	B6IIIe			12	33.483333	69	47.3	250.000						Draconis
9452	ksi Eri		A2 V			4	23.68	-3	-44.73333	250.000						Eridani
9453	lambda Gru		K3 III			22	6.115	-39	-32.6	250.000						Gruis
9454	pi 1 Hyi		M1 III			2	14.245	-67	-50.5	250.000						Hydri
9455	psi 3 Aqr 95	B	A0 V	?	4.983	23	18.961278	-9	-36.645	250.000	0.0257	349.8270	-10			Aquarii
9456	psi Boö	giant	K2 III			15	4.445	26	56.85	250.000						Boötis
9457	R Hor (HD 18242) (HIP 13502)	variable star of Mira Cet type	M7 IIIe			2	53.881667	-49	-53.41667	250.000						Horologii
9458	Star Cluster Melotte		Cluster			12	22	26		250.000						Comae Berenices
9459	theta And	B	A2 V	?		0	17.091638	38	40.9	250.000	0.0309	340.3000	0.9			Andromedae
9460	upsilon Boö	giant	K5.5 III		5.592	13	49.477352	15	47.8743	250.000	0.0594	156.4770	-5.6			Boötis
9461	HD 8634 (HIP 6669)		F5III		1.75	1	25.594333	23	30.695	251.000						Piscium
9462	SCR 1550-4718	PM red / white dwarf stars Subasavage 2005	M			15	50.919833	-47	-18.80667	251.518	0.4130	247.6000				
9463	SCR 2247-1528	PM red / white dwarf stars Subasavage 2005	M			22	47.218	-15	-28.63	251.843	0.5120	195.4000				
9464	208 G. Vir		F3IV		1.86	14	3.885	-22	-25.29667	252.000						Virginis
9465	28 UMa		F2V		2.07	9	45.923	63	39.205	252.000						Ursae Majoris
9466	68 G. Sgr		A7V		1.87	18	27.729333	-26	-38.085	252.000						Sagittarii
9467	HD 138965 (HIP 76736)		A5V		2.01	15	40.193833	-70	-13.665	252.000						Trianguli Australis
9468	pi 2 UMa	Muscida, b	K2III		0.15	8	40.215	64	19.671667	252.000				1	0.006	Ursae Majoris
9469	theta CMa	giant	K4 III			6	54.19	-12	-2.316667	252.000						Canis Majoris
9470	upsilon Ser (Leiolepis)	dwarf	A3V			15	47.288333	14	6.9166667	252.000						Serpentis
9471	204 G. Vir		F8V		1.91	13	59.821667	-3	-32.97833	253.000						Virginis
9472	6 Pup		K3III		0.72	7	49.686167	-17	-13.68667	253.000						Puppis
9473	67 G. PsA		F7V		1.7	22	58.5835	-35	-31.37667	253.000						Piscis Austrini
9474	HD 59640 (HIP 35946)		A3V		2.04	7	24.6185	-71	-28.245	253.000						Volantis
9475	SCR 0838-8148	PM Red & White dwarf stars Subasavage 2004	M			8	38.341167	-81	-48.76833	253.798	0.6250	9.4000				
9476	193 G. Sgr		K1/K2III		1	19	29.8695	-26	-59.13	254.000						Sagittarii
9477	90 Vir		K2III		0.7	13	54.703333	-1	-30.185	254.000						Virginis
9478	HD 23697 (HIP 17464)	double star	K1III		1.83	3	44.564333	-54	-16.45167	254.000						Reticuli
9479	HZ Vel	delta Sct variable	A2/A3II/III		1.92	8	49.873333	-39	-8.501667	254.000						Velorum
9480	123 G. Sgr		A1V		1.67	18	58.413833	-22	-31.77167	255.000						Sagittarii
9481	35 G. Sco		K0III		0.62	16	11.0355	-29	-24.96	255.000						Scorpii
9482	HD 72626 (HIP 41949)		F2IV/V		1.72	8	33.080833	-24	-36.41333	255.000						Pyxidis

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
9483	HD 74706 (HIP 42928)		A5V		1.63	8	44.919333	-21	-10.07	255.000						Pyxidis
9484	HD 98673 (HIP 55485)		A7Vn		1.96	11	21.8225	57	4.49	255.000						Ursae Majoris
9485	SCR 0816-2247	PM red / white dwarf stars Subasavage 2005	M			8	16.705333	-22	-47.66333	255.753	0.4180	138.4000				
9486	SCR 2123-3653	PM red / white dwarf stars Subasavage 2005	M			21	23.239333	-36	-53.45333	255.753	0.4460	133.7000				
9487	14 CMi		K0 III			7	58.344352	2	13.486208	255.852	0.1095	58.7131	43			Canis Minoris
9488	HIP 63143		A5m		1.37	12	56.294	54	5.9683333	256.000						Ursae Majoris
9489	SCR 0744-6941	PM Red & White dwarf stars Subasavage 2004	M			7	44.586833	-69	-41.96833	256.730	0.4410	1.2000				
9490	48 Leo		G8.5 III			10	34.800227	6	57.22504	256.936	0.0681	61.0162	4.936			Leonis
9491	28 G. PsA		A2III/IV		1.89	22	8.7105	-33	-7.545	257.000						Piscis Austrini
9492	52 Psc		K0III		0.9	0	32.59	20	17.666667	257.000						Piscium
9493	69 Vir		K1IIICN...		0.27	13	27.454	-15	-58.41833	258.000						Virginis
9494	omicron Psc	Torcularis Septentrionalis	K0III		-0.23	1	45.393167	9	9.4583333	258.000						Piscium
9495	tau 4 Eri Liberfluus		M3.5 III			3	19.516667	-21	-45.46667	258.000						Eridani
9496	12 G. Vir		K0IV		1.12	11	51.037167	-5	-20	259.000						Virginis
9497	HD 10390 (HIP 7943)		B9IV-V		1.13	1	42.0575	35	14.746667	259.000						Trianguli
9498	HD 64225 (HIP 38267)		K2III		1.39	7	50.398	-50	-30.56167	259.000						Puppis
9499	2 Dra (HD 100696) (HIP 56583)		K0 III			11	36.046667	69	19.366667	259.222	0.0971	139.2291	-3.54			Draconis
9500	CCDM J12564-0057AB		F5V			12	56.442783	0	57.2765	259.395	0.0522	164.7634	14.2			
9501	4 Vul (HD 182762) (HIP 95498)		K0 III		0.84	19	25.476667	19	47.92	259.974	0.0663	129.8872	0.95		0.016	Vulpeculae
9502	17 leo	B ?	B9 / gM1 var		0.5	6	2.8	-16	-29	260.000	0.0060		19.31			Leporis
9503	alpha Vir (Spica)	Spica Virginis, Azimech, Alarph; beta Cep variable	B1 III- IV	B2 V	-3.55	13	25.193333	-11	-9.689333	260.000	0.0309	216.7000	1			Virginis
9504	gamma And Almach	B C D	K3	A, B, K	2.12	2	0.08	42	6	260.000	0.0700		-11.27		0.02	Andromedae
9505	gamma Eri Zaurak		M0 III		-1.5	3	55.7	-13	-39	260.000	0.1300		59.55			Eridani
9506	gamma Per (Al Fakhir)	B	G8 III	A3 V		3	4.79667	53	30.38333	260.000	0.0100		1.61		0.057	Persei
9507	HD 15755 (HIP 11840)		K0III		1.33	2	32.877667	34	32.546667	260.000						Trianguli
9508	tau 1 Aqr	dwarf	B9 V		5.661	22	47.712807	-14	-3.3857	260.000	0.0178	341.9860	15			Aquarii
9509	tau Cnc	giant	G8 III			9	8.016667	29	39.25	260.000						Cancri
9510	zeta Cet (Baten Kaitos)		K0 IIIBa0.1			1	51.466667	-10	-20.1	260.000						Ceti
9511	21 Vir		A0V		0.96	12	33.78	-9	-27.125	261.000						Virginis
9512	226 G. Vir		A0V		1.01	14	15.401833	-18	-12.04	261.000						Virginis
9513	35 Psc, UU	B, Algol variable	F0IV	?	1.5	0	14.979667	8	49.261667	261.000	0.0595	103.3644	0.9	2	0.34	Piscium
9514	gamma Sex	B C	A2V		0.55	9	52.507833	-8	-6.295	261.000						Sextantis
9515	HD 75495 (HIP 43338)		A6IV		1.96	8	49.749	-21	-2.898333	261.000						Pyxidis
9516	HD 76360 (HIP 43671)		Am		0.79	8	53.843333	-47	-31.24333	261.000						Velorum
9517	SCR 0904-3804	PM red / white dwarf stars Subasavage 2005	M			9	4.7753333	-38	-4.125	261.292	0.6430	145.0000				
9518	58 Psc		G8II		0.99	0	47.023833	11	58.436667	262.000						Piscium

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
9519	CU Vir	CVn variable	B9p Si		0.47	14	12.263833	2	24.57	262.000						Virginis
9520	42 UMa		K2III		1.04	10	51.396	59	19.215	263.000						Ursae Majoris
9521	51 UMa		A3III-IV		1.48	11	4.5213333	38	14.481667	263.000						Ursae Majoris
9522	omega Ser	Giant	G8III		0.68	15	50.292167	2	11.796667	263.000						Serpentis
9523	HD 139980 (HIP 76939)	B	G8	K0III		15	42.638613	-37	-25.49626	263.556	0.0303	250.2485	-14.41			Lupi
9524	51 Psc		B9.5V		1.15	0	32.395833	6	57.326667	264.000						Piscium
9525	76 Vir		K0III		0.67	13	32.968167	-10	-9.895	264.000						Virginis
9526	HD 195693 (HIP 101300)		Am		1.82	20	31.969833	25	48.301667	264.000						Vulpeculae
9527	HD 39640 (HIP 27621)		G8III		0.61	5	50.887	-52	-6.521667	264.000						Pictoris
9528	133 G. Sgr		F5V		1.82	19	3.1165	-19	-6.181667	265.000						Sagittarii
9529	eta Vir	Zaniah	A2IV		−0.53	12	19.9065		-40.005	265.000	0.0366	246.3717	2.3			Virginis
9530	HD 9525 (HIP 7213)		K1/K2III		0.94	1	32.934167	-36	-51.91167	265.000						Sculptoris
9531	omaega 2 Sco	Jabhat al Akrab	G6/G8III		−0.24	16	7.405	-20	-52.12	265.000						Scorpii
9532	sigma Aqr	subgiant	A0 Ivs		4.79	22	30.646935	-10	-40.677	265.000	0.0153	273.9000	11			Aquarii
9533	2MASS J12103101-7507205	PM	M4			12	10.517121	-75	-7.342385	265.526	0.0400	268.6877				
9534	HD 4203 (HIP 3502)	b,c	G5		5.22	0	44.686671	20	26.935633	265.753	0.1013	135.4937	-14.06	2	0.38	Piscium
9535	HD 38458 (HIP 27001)		F0IIIn		1.82	5	43.685333	-45	-49.98667	266.000						Pictoris
9536	124 G. Sco		Fm		1.36	17	8.7925	-30	-24.21333	267.000						Scorpii
9537	21 Psc		A5m		1.2	23	49.458	1	4.5716667	267.000						Piscium
9538	26 UMa		A2V		−0.10	9	34.824833	52	3.0933333	267.000						Ursae Majoris
9539	53 tau	V1024 Tau; CVn variable	B9IV		0.93	4	19.434667	21	8.545	267.000						Tauri
9540	delta Tuc	B	B9.5 V			22	27.333333	-64	-57.98333	267.000						Tucanae
9541	HAT-P-22	has a transiting planet (b)	G5		0	10	22.733333	50	7.7	267.000				1	0.33	Ursae Majoris
9542	HD 27304 (HIP 19805)	double star	K0III		0.88	4	14.809167	-62	-11.52333	267.000						Reticuli
9543	omega UMa	(Close binary) B	A1 V s		0.1	10	53.978333	43	11.4	267.000						Ursae Majoris
9544	chi Tau	B	B9 V	G2 V		4	22.581667	25	37.75	268.000						Tauri
9545	HD 71377 (HIP 41395)		K1/K2III		0.95	8	26.700167	-12	-32.07167	268.000						Puppis
9546	SCR 2044-4123	PM red / white dwarf stars Subasavage 2005	M			20	44.464833	-41	-23.86	268.459	0.4290	142.5000				
9547	114 G. Sco		A3III		1.47	16	58.870833	-37	-37.225	269.000						Scorpii
9548	168 G. Sco		A2/A3IV/V		1.29	17	44.700167	-42	-43.75833	269.000						Scorpii
9549	45 Ser		A7V		1.05	16	7.6258333	9	53.505	269.000						Serpentis
9550	69 G. Sgr		A3/A4V		1.69	18	28.102833	-26	-45.43	269.000						Sagittarii
9551	HD 120874 (HIP 67548)		A3V		1.87	13	50.462833	58	32.365	269.000						Ursae Majoris
9552	14 LMi		K0IV		2.22	9	46.707333	45	6.8833333	270.000						Ursae Majoris
9553	180 G. Sgr		K3III		1.32	19	25.0675	-29	-18.55333	270.000						Sagittarii
9554	30 Cyg		B5			20	13.3	46	48.95	270.000						Cygni
9555	72 Cyg		K0.5 III			21	34.776667	38	32.05	270.000						Cygni
9556	A1 Ser		K0III		0.91	15	32.965833	-1	-11.17833	270.000						Serpentis
9557	beta Cha		B5 Vn			12	18.34707	-79	-18.73438	270.000	0.0232	72.5050	23			Chamaeleontis
9558	delta Cyg	B	B9		-1.7	19	43.4	45	0	270.000	0.0600		-20.12			Cygni
9559	delta Hor		A9 V			4	10.843333	-41	-59.61667	270.000						Horologii
9560	epsilon Dor		B6 V			5	49.893333	-66	-54.06667	270.000						Doradus

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
9561	nu 2 Sgr	Ain al Rami [1]	K1Ib/II		0.41	18	55.117833	-22	-40.275	270.000						Sagittarii
9562	phi Dra		A0 pSi			18	20.758333	71	20.266667	270.000						Draconis
9563	sigma Oct South Pole	(South Pole star)	F0 III			21	8.78	-88	-57.3833	270.000	0.0300	79.0000	11.27			Octantis
9564	theta Lep		A1 Vn		1.08	6	6.155	-14	-56.12	270.000						Leporis
9565	theta Sco (Sargas)	Sargas; 160 G. Sco	F1 II		-4.6	17	37.318333	-42	-59.87	270.000	0.0100	81.1000	1.13			Scorpii
9566	15 G. Psc		F2V		1.82	23	4.0133333	6	36.98	271.000						Piscium
9567	10 Lep		A0V		0.93	5	31.127	-20	-51.81	272.000						Leporis
9568	100 Psc		A3V		2.68	1	34.860167	12	33.52	272.000						Piscium
9569	134 tau		B9IV		0.29	5	49.549	12	39.081667	272.000						Tauri
9570	71 Vir		K0III		1.04	13	29.217333	10	49.103333	272.000						Virginis
9571	nu Cap (Alshat)	dwarf B	B9.5			20	20.663333	-12	-45.55	272.000						Capricorni
9572	1 G. Sex		F4IV		1.03	9	46.394	1	47.141667	273.000						Sextantis
9573	10 Vir		K3III		1.34	12	9.6881667	1	53.9	273.000						Virginis
9574	14 G. Ser Cau		K1III:		1.56	17	53.0585	-10	-53.97	273.000						Serpentis
9575	67 Psc		A5IV		1.47	0	55.975333	27	12.561667	273.000						Piscium
9576	nu Tuc	(giant variable)	M4 III			22	0.001667	-61	-58.93333	273.000						Tucanae
9577	eta Cir		G8 III			15	4.8030985	-64	-1.881122	273.175	0.0606	274.7894	45.1			Circini
9578	SCR 1412-4954	PM Red & White dwarf stars Subasavage 2004	M			14	12.7315	-49	-54.54	273.346	0.4200	212.9000				
9579	74 UMa		A5e...		0.74	12	29.956667	58	24.331667	274.000						Ursae Majoris
9580	CCDM J00445-6230 (HD 4294) (HIP 3489)		F5III/IV		1.44	0	44.525333	-62	-29.85667	274.000						Tucanae
9581	gamma Sge		K5III		−1.11	19	58.7565	19	29.525	274.000						Sagittae
9582	HD 64152 (HIP 38375)		K0III		1	7	51.7175	-21	-10.425	274.000						Puppis
9583	nu 1 Vir		G9III		0.52	14	19.5425	-2	-15.92	274.000						Virginis
9584	SCR 0843-5209	PM Red & White dwarf stars Subasavage 2004	M			8	43.646667	-52	-9.458333	274.324	0.4820	307.3000				
9585	SCR 2035-6505	PM Red & White dwarf stars Subasavage 2004	M			20	35.093333	-65	-5.435	274.649	0.7850	166.0000				
9586	HD 81157 (HIP 45920)		A3IVs...		0.98	9	21.835167	-55	-30.89167	275.000						Velorum
9587	SCR 0843-5154	PM Red & White dwarf stars Subasavage 2004	M			8	43.183667	-51	-54.05667	275.627	0.4020	310.7000				
9588	131 G. Sgr		K2III		0.99	19	2.4615	-24	-50.78333	276.000						Sagittarii
9589	20 G. Sex		G5		1.79	9	57.731667	-1	-56.50667	276.000						Sextantis
9590	7 Vir		A1V		0.72	11	59.948667	3	39.313333	276.000						Virginis
9591	HD 187421 (HIP 97819)		A2V		1.86	19	52.651833	-54	-58.58667	276.000						Telescopii
9592	2MASS J14034462-2446281					14	3.7437705	-24	-46.46766	276.805	0.0090	294.5499	17.72			
9593	81 UMa		A0V		0.95	13	34.122167	55	20.906667	277.000						Ursae Majoris
9594	HD 106270 (HIP 59625)	b	G5		0	12	13.616667	-9	-30.8	277.000				1	0.35	Virginis
9595	HD 191760 (HIP 99661)	two unconfirmed planets	G3IV/V		0	20	13.445833	-46	-12.06167	277.000				2	0.34	Telescopii
9596	HD 7724 (HIP 6025)		K0		1.72	1	17.402333	31	44.676667	277.000						Piscium
9597	nu 1 CMa	giant B	G8 III	F3 IV-V		6	36.38	-18	-39.6	277.000						Canis Majoris
9598	phi 2 Cnc	B	A6 V	A3 V		8	26.78	26	56.066667	277.000						Cancri

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
9599	15 Cyg		G8 III			19	44.276667	37	21.266667	279.000						Cygni
9600	HD 96113 (HIP 54137)		A8III/IV		1.01	11	4.5216667	-47	-40.75167	279.000						Velorum
9601	iota Tuc	(giant variable)	G5 III			1	7.311667	-61	-46.51667	279.000					0.107	Tucanae
9602	2 Psc		K1III:		0.76	22	59.456667		57.785	280.000						Piscium
9603	263 G. Sgr		A2/A3V		1.64	20	1.446	-40	-48.855	280.000						Sagittarii
9604	5 Psc		G8IV		0.75	23	8.6806667	2	7.6566667	280.000						Piscium
9605	beta Gru	(variable)	M3 III		-2.5	22	39.7	-47	-9	280.000	0.1300		1.61			Gruis
9606	NY Vel	CVn variable	Ap (SiCr)		0.53	8	40.320333	-40	-15.83333	280.000						Velorum
9607	omaega 2 Aql 29		A2 V			19	19.884428	11	32.097867	280.000	0.0278	27.5500	-26			Aquilae
9608	HIP 90238 (HD 169370)		K0		1.61	18	24.700833	-7	-4.551667	281.000						Scuti
9609	47 G. Sco		K1III		1.63	16	14.655	-18	-32.12	282.000						Scorpii
9610	84 UMa	CR UMa; CVn variable	B9p EuCr		1	13	46.594667	54	25.961667	282.000						Ursae Majoris
9611	HD 135263 (HIP 74505)		A2V		1.63	15	13.530667	22	58.99	282.000						Serpentis
9612	HD 98772 (HIP 55564)		A3V		1.34	11	22.854167	64	19.825	282.000						Ursae Majoris
9613	HD 33283 (HIP 23889)	b	G4V		3.36	5	8.016833	-26	-47.85	282.000				1	0.34	Leporis
9614	SCR 1902-5044	PM Red & White dwarf stars Subasavage 2004	M			19	2.7921667	-50	-44.01	282.469	0.5100	150.2000				
9615	HD 101365	PM	F5			11	40.310439	62	23.790751	282.813	0.0664	255.2588	9.22			
9616	WASP-43	transiting planet (b)	K7V			10	19.633482	-9	-48.37672	283.327	0.0330	227.7486	-3.7	1g	0.2	Sextantis
9617	HD 95256 (HIP 53860)		A2m		1.68	11	1.0955	63	25.273333	284.000						Ursae Majoris
9618	V432 Sct	CVn variable	Ap		1.32	18	29.779167	-14	-34.92167	284.000						Scuti
9619	16 Vir		K1III		0.26	12	20.3525	3	18.763333	285.000						Virginis
9620	5 UMa		F2III		1.01	8	53.376167	61	57.733333	285.000						Ursae Majoris
9621	HD 218434 (HIP 114254)		G8III		0.89	23	8.3516667	-28	-49.41333	285.000						Sculptoris
9622	HD 220572 (HIP 115620)		K0III		0.89	23	25.322833	-56	-50.93667	285.000						Tucanae
9623	HD 26546 (HIP 19641)		K0III		1.38	4	12.522	17	16.65	285.000						Tauri
9624	HD 48265 (HIP 31895)	b	G5IV/V		3.36	6	40.028833	-48	-32.51667	285.000				1	0.35	Puppis
9625	HD 72337 (HIP 41451)		A0V		0.8	8	27.279833	-70	-5.615	285.000						Volantis
9626	HD 10810 (HIP 8200)	Multi Planet 6+ system	FK5	FK4		1	45.415356	-21	-59.22252	285.609	0.0098	153.9138	31.35	6	0.46	Ceti
9627	11 Tri		K1III:		0.83	2	27.463167	31	48.081667	286.000						Trianguli
9628	HD 70523 (HIP 40990)		K0III		0.99	8	21.911	-17	-35.17833	286.000						Puppis
9629	PM J04586+6209	White dwarf	DA+dM			4	58.654239	62	9.1325549	286.796	0.0779	131.6878				
9630	alpha Sex		A0 III		−0.25	10	7.938333		-22.3	287.000						Sextantis
9631	HD 45557 (HIP 30463)		A0V		1.06	6	24.231333	-60	-16.88333	287.000						Pictoris
9632	HD 60646 (HIP 36807)		A9IV		1.39	7	34.214333	-33	-27.815	287.000						Puppis
9633	rho UMa		M3 III-IIIb Ca1		0.01	9	2.545	67	37.783333	287.000						Ursae Majoris
9634	41 Lyn	b	K0III-IV		0.68	9	28.6665	45	36.108333	288.000				1	0.32	Ursae Majoris
9635	CQ UMa	CVn variable	A4p SrCrEu		1.55	13	40.357333	57	12.453333	288.000						Ursae Majoris
9636	HD 142357 (HIP 77835)		F5II-III		1.48	15	53.581	16	4.5	288.000						Serpentis
9637	65 Psc		F0 D			0	49.886117	27	42.617212	288.574	0.0516	96.5669	6.8			Piscium
9638	65 Psc B (HIP 3885) (BD+26 131)	B,?	F0	?		0	49.886117	27	42.617212	288.574	0.0516	96.5669	6.8			Piscium
9639	135 G. Vir		A2/A3V		1.47	13	21.497	-19	-29.35667	289.000						Virginis

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
9640	HD 118203 (HIP 66192)	b	K0		3.33	13	34.042333	53	43.711667	289.000				1	0.37	Ursae Majoris
9641	HD 90745 (HIP 51448)		A7III		1.33	10	30.444167	64	15.468333	289.000						Ursae Majoris
9642	51 Sgr	V5548 Sgr; delta Sct variable	A1m...		0.89	19	36.0275	-24	-43.14167	290.000						Sagittarii
9643	beta Cnc (Tarf)	B	K4 III	K?		8	16.515	9	11.133333	290.000						Cancri
9644	HD 136138 (HIP 74896)		G5IV		0.93	15	18.4085	20	34.368333	290.000						Serpentis
9645	HD 171391 (HIP 91105)		G8III		0.38	18	35.039333	-10	-58.63167	290.000						Scuti
9646	HD 174474 (HIP 92676)		A2V		1.43	18	53.039333	-48	-21.64333	290.000						Telescopii
9647	HD 53501 (HIP 33682)		K3III		0.44	6	59.843	-67	-55.02	290.000						Volantis
9648	HD 95347 (HIP 53762)		B8/B9V		1.07	10	59.9905	-43	-48.42833	290.000						Velorum
9649	iota Cet		K1.5 III			0	19.428333	-8	-49.43333	290.000						Ceti
9650	Kappa2 Cet	(yellow giant) PM	G9III			3	21.113333	3	4.533333	290.000	0.0353	113.4946	7.44			Ceti
9651	theta Aql	B	B9.5 III	A0	-1.7	20	11.304758		-49.28767	290.000	0.0209	9.6770	-25.75			Aquilae
9652	RMB 90	White dwarf border line with Comae Berenices	DAH+DA:			12	34.235119	12	48.494143	290.893	0.0255	179.3507	-183			Virginis
9653	gamma Sct		A1IV/V		−0.09	18	29.1975	-14	-33.94833	291.000						Scuti
9654	HD 23127 (HIP 17054)	b	G2V		3.81	3	39.394	-60	-4.67	291.000				1	0.32	Reticuli
9655	HD 78935 (HIP 45461)		F0III		1.18	9	15.879167	72	56.788333	291.000						Ursae Majoris
9656	kappa Cap	giant	G8 III			21	42.658333	-18	-51.98333	291.000						Capricorni
9657	omega 1 tau	giant	K2 III			4	9.166667	19	36.55	291.000					0.033	Tauri
9658	upsilon Scl		K0III		0.55	23	40.636833	-32	-4.38	291.000						Sculptoris
9659	SCR 1251-1232	PM red / white dwarf stars Subasavage 2005	M			12	51.579167	-12	-32.99833	291.917	0.4500	264.8000				
9660	116 G. Sco		K2IIICN...		1.19	17	0.6165	-35	-56.03833	292.000						Scorpii
9661	254 G. Vir		F8		1.69	14	37.474833	2	16.645	292.000						Virginis
9662	61 Sgr		A2V		0.25	19	57.950333	-15	-29.475	292.000						Sagittarii
9663	81 G. Sco		G1II		1.08	16	41.758333	-33	-8.736667	292.000						Scorpii
9664	HD 176664 (HIP 93624)		K0/K1III		1.17	19	3.9586667	-51	-1.095	292.000						Telescopii
9665	HD 60341 (HIP 36732)		K0III		0.88	7	33.325833	-19	-24.74167	292.000						Puppis
9666	37 G. Sex		K0		1.61	10	19.5395	-5	-6.358333	293.000						Sextantis
9667	7 Tri		A0V		0.48	2	15.938333	33	21.538333	293.000						Trianguli
9668	74 G. Sgr		K0III		0.86	18	30.197333	-18	-43.715	293.000						Sagittarii
9669	kappa Tel	giant	G8-K0 III			18	52.666	-52	-6.45	293.000					0.033	Telescopii
9670	chi Vir	b	K2III		−0.29	12	39.246833	-7	-59.73	294.000	0.0471	252.2227	-19.7	1	0.35	Virginis
9671	CS Vir	variable star	Ap Si(Cr)		1.08	14	18.638333	-18	-42.95333	294.000						Virginis
9672	eta Psc	Alpherg, Kullat-Nunu variable	G8III		-1.16	1	31.483167	15	20.75	294.000						Piscium
9673	lambda Cap	dwarf	A1 V			21	46.535	-11	-21.95	294.000						Capricorni
9674	1 Ser	264 G. Vir	K1III		0.73	14	57.553667		-10.05333	295.000						Virginis
9675	211 G. Vir		K0		1.61	14	4.2428333	-5	-22.88333	295.000						Virginis
9676	HD 205739 (HIP 106824)	b	G3IV		3.78	21	38.140167	-31	-44.24833	295.000				1	0.036	Piscis Austrini
9677	beta Crt		A2 III			11	11.658029	-22	-49.55076	295.221	0.0603	177.1115	5.6			Crateris
9678	98 tau		A0V		1	4	58.156333	25	3.0316667	296.000						Tauri
9679	HD 70514 (HIP 40680)		K1III		0.27	8	18.313	-65	-36.795	296.000						Volantis

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
9680	SCR 1735-7020	PM Red & White dwarf stars Subasavage 2004	M			17	35.6785	-70	-20.36	296.152	0.9630	190.1000				
9681	alpha Vul (Lukida)	(red giant) Anser	M0 III		−0.35	19	28.705	24	39.9	296.505						Vulpeculae
9682	37 Vul		G7 III Fe-1			20	52.128333	24	39.9	297.000					0.054	Vulpeculae
9683	HD 86081 (HIP 48711)	b	F8V		3.94	9	56.098667	-3	-48.505	297.000				1	0.37	Sextantis
9684	12 Sco		B9V		0.87	16	12.2675	-28	-25.03167	298.000						Scorpii
9685	18 Sge		K1III		1.31	20	16.329667	21	35.925	298.000						Sagittae
9686	44 Vir		A3V		0.99	12	59.659167	-3	-48.71667	298.000						Virginis
9687	HD 115478 (HIP 64823)		K3III		0.53	13	17.260333	13	40.538333	298.000						Virginis
9688	HD 220790 (HIP 115769)		G8III		0.82	23	27.248833	-58	-28.57667	298.000						Tucanae
9689	HD 48543 (HIP 32091)		A+...		1.48	6	42.273167	-38	-23.92833	298.000						Puppis
9690	iota Cnc	B	G8 III	A3 V		8	46.696667	28	45.6	298.000						Cancri
9691	SCR 1931-5840	PM Red & White dwarf stars Subasavage 2004	M			19	31.359667	-58	-40.62	298.759	0.4020	135.7000				
9692	20 Psc	PM	K0III		0.73	23	47.942368	-2	-45.69593	298.946	0.0554	273.2901	-15.63			Piscium
9693	FT Vir	delta Sct variable	F2III		1.42	12	27.86	-4	-36.91667	299.000						Virginis
9694	HD 83886 (HIP 47664)		A5m		1.69	9	43.116667	54	21.826667	299.000						Ursae Majoris
9695	SDSS J204544.80-001614.5	White dwarf	DA			20	45.746696	0	16.240764	299.724	0.0261	215.0867	119401			
9696	125 G. Sco		G8/K0III+..		0.24	17	10.705833	-44	-33.45333	300.000						Scorpii
9697	14 CVn		B9 V			13	5.741667	35	47.933333	300.000						Canum Venaticorum
9698	3 Equ		K5 III			21	4.5783333	5	30.166667	300.000						Equulei
9699	46 Dra		B9.5 p			18	42.631667	55	32.366667	300.000						Draconis
9700	68 Gem		A1 Vn			7	33.608333	15	49.6	300.000						Geminorum
9701	delta Sex		B9.5V		0.37	10	29.478833	-2	-44.34333	300.000						Sextantis
9702	epsilon Boö Izar Pulcherrima	B	K0 II	A2	2.7	14	44.9867	27	4.4533	300.000	0.0267	163.5750	16.6			Boötis
9703	epsilon Lup	B gamma delta	B3 IV	?		15	19.3	-44	-31	300.000	0.0300		4.02			Lupi
9704	gamma Hyi		M0 II		-1.5	3	48	-74	-24	300.000	0.1200		15.45			Hydri
9705	HD 152815 (HIP 82764)		G8 III			16	54.92	20	57.516667	300.000						Herculis
9706	HD 154733 (HIP 83692)		K3 III			17	6.3016667	22	5.05	300.000						Herculis
9707	HD 52960 (HIP 34033)		K3 III			7	3.633333	10	57.1	300.000						Geminorum
9708	HD 81780 (HIP 46297)		A7III		1.37	9	26.474167	-40	-30.10333	300.000						Velorum
9709	HD 87363 (HIP 49259)		A0V		1.29	10	3.3433333	-46	-38.17	300.000						Velorum
9710	HD 97138 (HIP 54721)		A3V		1.58	11	12.181667	68	16.311667	300.000						Ursae Majoris
9711	nu Hyi		K3 III			2	50.475	-75	-4.016667	300.000						Hydri
9712	O Pup		K2III		0.32	7	57.862167	-45	-34.665	300.000						Puppis
9713	omega Hya		K2 II-III			9	5.9766667	5	5.5333333	300.000						Hydrae
9714	sigma Cyg	Evolved supergiant	AoIa			21	17.416667	39	23.683333	300.000						Cygni
9715	U Gem	B?	M dwarf	Blue Dwarf	4.1	7	5.21	22	8	300.000	0.0400					Geminorum
9716	Wz Sge	(nova Recurrent) B	Dae	White dwarf		20	5.3	17	33	300.000						Sagittae
9717	y Eri (HD 22663) (HIP 16870)		K1 III			3	37.095	-40	-16.48333	300.000						Eridani
9718	zeta Dra Aldhibah Nodus I		B9 III		-3.2	17	8.786667	65	42.883333	300.000	0.0250		-12.87			Draconis
9719	2 Sex (HD 83425) (HIP 47310)		K3 III			9	38.455	4	38.95	300.000						Hydri
9720	240 G. Vir		G5		1.59	14	19.8875	-6	-44.76667	301.000						Virginis

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
9721	ET UMa	CVn variable	A0sp...		0.12	10	24.131	65	33.988333	301.000						Ursae Majoris
9722	HD 223991 (HIP 117860)	B	A2V+...	?	1.51	23	54.3565	-27	-2.575	301.000						Sculptoris
9723	tau Gem	(orange giant) B	K2 III	dwarf		7	11.169512	30	14.709788	301.700						Geminorum
9724	IRC +10216 (V CW Leo) (Peanut Nebula)	(Carbon Star)	C 9,5e			9	47.956333	13	16.726667	301.946	0.0205	286.4628	0			Leonis
9725	HD 189080 (HIP 98482)	Red giant branch star	K0III		1.35	20	0.4233333	-49	-21.05667	302.000						Telescopii
9726	HD 30197 (HIP 22176)		K4III		1.16	4	46.279667	18	44.091667	302.000						Tauri
9727	epsilon Crv Minkar	(Minkar)	K2 III		-0.2	12	10.116667	-22	-37.18333	303.000	0.0700		4.83		0.02	Corvi
9728	7 G. Psc (HD 217131)		F2V		1.44	22	58.39435	-1	-24.61248	303.349	0.0490	93.8115	-27.2			Piscium
9729	2MASS J20532421-1725246	Star				20	53.403664	-17	-25.41077	303.352	0.0027	175.6803	8.69			
9730	Epsilon1 Ara (Tso Kang)		K4 IIIab			16	59.585	-53	-9.633333	304.000						Arae
9731	HD 10538 (HIP 7941)		A0V		0.85	1	42.050333	-36	-49.93667	304.000						Sculptoris
9732	HD 6714 (HIP 5339)		K0		1.59	1	26.392667	20	4.2533333	304.000						Piscium
9733	HD 79091 (HIP 45002)		K1III		1.34	9	9.9525	-52	-4.98	304.000						Velorum
9734	HD 9377 (HIP 7118)		K0III		0.95	1	31.720833	-30	-16.975	304.000						Sculptoris
9735	V4190 Sgr (79 G. Sgr)	delta Sct variable	F0IV/V		1.64	18	35.355167	-20	-50.42667	304.000						Sagittarii
9736	tau Tau	B C	B3 V	?, A?		4	42.244877	22	57.414909	304.281	0.0128	187.5311	14.6			Tauri
9737	HD 60345 (HIP 36721)		A3III		0.98	7	33.163	-24	-42.64667	304.415	0.0133	9.6313	16.7			Puppis
9738	27 Vul		B9V		0.73	20	37.077667	26	27.718333	305.000						Vulpeculae
9739	47 LMi		G7III:		0.87	10	54.970333	34	2.095	305.000						Ursae Majoris
9740	6 Tri	TZ Tri; RS CVn variable	F5V comp SB		0.08	2	12.372	30	18.193333	305.000						Trianguli
9741	delta Psc	Linteum	K5III		-0.42	0	48.681667	7	35.111667	305.000						Piscium
9742	HD 150026 (HIP 81873)		A0Vn		1.17	16	43.3685	-67	-25.93833	305.000						Trianguli Australis
9743	SCR 0708-4709	PM red / white dwarf stars Subasavage 2005	M			7	8.534	-47	-9.511667	305.275	0.4020	115.0000				
9744	SDSS J141209.94+112902.6	White dwarf	DA			14	12.165938	11	29.050866	305.915	0.0771	213.3996				
9745	49 Vir		K2III		0.29	13	7.8966667	-10	-44.42333	306.000						Virginis
9746	delta Sgr	Kaus Media (Kaus Medius, Kaus Meridionalis)	K3III		−2.14	18	20.993667	-29	-49.68167	306.000						Sagittarii
9747	HD 84812 (HIP 48266)		A9Vn		1.41	9	50.3945	65	35.598333	306.000						Ursae Majoris
9748	pi Tuc		B9V		0.64	0	20.650667	-69	-37.495	306.000						Tucanae
9749	SCR 0803-1558	PM red / white dwarf stars Subasavage 2005	M			8	3.5013333	-15	-58.51333	306.578	0.4930	153.9000				
9750	phi Lup (HD 136422) (HIP 75177)		K4III			15	21.806173	-36	-15.68306	306.817	0.0720	227.7595	-29.4			Lupi
9751	1 Psc		A7III		1.24	22	54.991167	1	3.8933333	307.000						Piscium
9752	94 Psc		K1III		0.63	1	26.694167	19	14.433333	307.000						Piscium
9753	iota Aql (Al Thalimain)	dwarf	B5 III		-4.27	19	36.721295	-1	-17.19605	307.000	0.0121	275.2040	-21.4			Aquilae
9754	tau Her		B5 IV			16	19.740611	46	18.801872	307.069	0.0237	19.1068	-15.5			Herculis
9755	6 UMa		G6III		0.69	8	56.624833	64	36.241667	308.000						Ursae Majoris
9756	1 c Vel		K2III		−1.13	9	4.1553333	-47	-5.863333	309.000						Velorum
9757	63 Sgr		A1IV		0.8	20	1.9763333	-13	-38.235	309.000						Sagittarii
9758	R 93449	Ae	B5IIIpe		11.99734485	19	1.8947504	-36	-57.13576	309.108	0.0180	177.0630	-36			Coronae Australis

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
9759	15 Psc		K0		1.58	23	35.476833	1	18.791667	310.000						Piscium
9760	279 G. Pup		K1II/III		–0.47	8	14.048167	-40	-20.86333	310.000						Puppis
9761	alpha Car (Canopus)		FO Ib		-5.53	6	23.951813	-52	-41.73963	310.000	0.0180	319.8180	20.5		0.056	Carinae
9762	alpha Dra Thuban	(Thuban) B	A0 III		3.617	14	4.389163	64	22.551033	310.000	0.0344	73.0830	-13			Draconis
9763	beta Hor	giant	A4 IIIm			2	58.796612	-64	-4.27705	310.000	0.0137	283.2110	23.6			Horologii
9764	eta Ara	giant	K5 III		5.377	16	49.785938	-59	-2.482683	310.000	0.0273	327.4400	9			Arae
9765	eta Cen	(rapid rotating)	B2 V	A2	-3	14	35.506667	-42	-9.466667	310.000	0.0279	227.4260	-0.16			Centauri
9766	iota Scl		K0III		0.29	0	21.519667	-28	-58.87833	310.000						Sculptoris
9767	rho1 Ari 44		A3		-2	2	54.919983	17	44.085317	310.000	0.0296	331.2470	1.8			Arietis
9768	SCR 1107-4135	PM red / white dwarf stars Subasavage 2005	M			11	7.9321667	-41	-35.88	310.813	1.1890	282.8000				
9769	upsilon	giant	A3V		-0.16	1	19.466333	27	15.845	311.000	0.0134	80.9756	0.4			Piscium
9770	135 tau		G9III:		0.63	5	50.481667	14	18.341667	312.000						Tauri
9771	47 G. PsA		K2III		0.92	22	36.591167	-31	-39.82167	312.000						Piscis Austrini
9772	57 Sgr		K0III		0.98	19	52.200167	-19	-2.691667	312.000						Sagittarii
9773	61 G. Pic, AB		K0III		0.29	6	29.475667	-56	-51.17	312.000						Pictoris
9774	eta Cnc	giant	K3 III			8	32.708333	20	26.466667	312.000						Cancri
9775	HD94669 (HIP 53465)		K2III		1.13	10	56.241833	42	0.5033333	312.000						Ursae Majoris
9776	264 G. Sgr		K0III		1.1	20	1.3973333	-22	-44.23667	313.000						Sagittarii
9777	35 UMa		K2III:		1.41	10	29.907167	65	37.578333	313.000						Ursae Majoris
9778	40 Sex		A2IV		1.7	10	49.288333	-4	-1.435	313.000						Sextantis
9779	8 G. Psc		A1V		1.44	22	58.710667	7	20.415	313.000						Piscium
9780	HD 122866 (HIP 68637)		A2V		1.25	14	2.9963333	50	58.31	313.000						Ursae Majoris
9781	HD 55526 (HIP 34670)		K2III		0.21	7	10.791667	-48	-55.955	313.000						Puppis
9782	HD 60666 (HIP 36848)		K1III		0.87	7	34.5805	-27	-0.746667	313.000						Puppis
9783	nu Vir	(giant variable)	M1 III ab			11	45.86	6	31.766667	313.000						Virginis
9784	SCR 1800-0431A	PM red / white dwarf stars Subasavage 2005	M			18	0.3555	-4	-31.79667	313.094	0.4020	227.4000				
9785	83 G. Sgr		A5IV		1.01	18	37.907167	-21	-23.85333	314.000						Sagittarii
9786	66 UMa		K1III		0.9	11	55.9735	56	35.913333	315.000						Ursae Majoris
9787	C Pup		Am		0.27	7	4.0468333	-42	-20.24667	315.000						Puppis
9788	HD 7578 (HIP 5936)		K1III		1.12	1	16.315	33	6.8883333	315.000						Piscium
9789	HD 94084 (HIP 53157)		K2III		1.51	10	52.535167	52	30.223333	315.000						Ursae Majoris
9790	SCR 0745-0725	PM red / white dwarf stars Subasavage 2005	M			7	45.904	-7	-25.935	315.700	0.4370	162.8000				
9791	260 G. Sgr		G8/K0III		1.02	20	0.2653333	-37	-42.10333	316.000						Sagittarii
9792	56 tau	V724 Tau; CVn variable	A0p Si		0.41	4	19.6115	21	46.415	316.000						Tauri
9793	HD 131399 (HIP 72940)	B,C b Tri-star with planet	A1V	M?, M?		14	54.416667	-34	-8.566667	316.000				1g	0.02	Centauri
9794	65 Psc A (HD 4758) (HR 231)		F5III C			0	49.886117	27	42.618333	316.311			6.8			Piscium
9795	SCR 1256-1316	PM red / white dwarf stars Subasavage 2005	M			12	56.525833	-13	-16.12833	316.678	0.4020	249.0000				
9796	IW Vel	delta Sct variable	A7Vni		0.96	10	57.131333	-50	-45.90333	317.000						Velorum
9797	rho Per	(variable)	M4 II			3	5.176667	38	50.41667	317.000	0.1700	129.0000	27.36			Persei

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
9798	SCR 2200-0240	PM red / white dwarf stars Subasavage 2005	M			22	0.7408333	-2	-40.315	317.655	0.6760	174.2000				
9799	1 Sge		A4V		0.71	19	15.289	21	13.926667	318.000						Sagittae
9800	HD 106760 (HIP 59856)	K Giant	K0.5 IIIb			12	26.501667	33	3.6833333	318.000	0.0658	201.7699	-40.4			Comae Berenices
9801	HD 120084 (HIP 66903)		G7III:		0.96	13	42.656333	78	3.86	318.000						Ursae Minoris
9802	HD 88842 (HIP 50078)		A3IV/V		0.83	10	13.467333	-51	-45.34833	318.000						Velorum
9803	SCR 0742-3012	PM red / white dwarf stars Subasavage 2005	M			7	42.6995	-30	-12.65833	318.307	0.4180	134.1000				
9804	60 G. Sgr		K0III		0.57	18	23.480333	-36	-14.28	319.000						Sagittarii
9805	68 G. Sco		K1IIICN...		0.84	16	28.241	-37	-10.78833	319.000						Scorpii
9806	G. Sco		A2V		1.33	17	5.0898333	-45	-30.12333	319.000						Scorpii
9807	HD 45450 (HIP 30423)		A3V		1.52	6	23.782	-58	-32.63667	319.000						Pictoris
9808	HD 86087 (HIP 48613)		A0V		0.76	9	54.854333	-50	-14.63833	319.000						Velorum
9809	tau 2 Ari		K3 IIIb			3	22.753333	20	44.516667	319.000						Arietis
9810	56 G. PsA		K1III		1.32	22	47.320167	-34	-9.706667	320.000						Piscis Austrini
9811	63 Vir		K0III		0.4	13	23.019167	-17	-44.11167	320.000						Virginis
9812	alpha Cru (Acrux)	B (southern cross)	B1 IV	B3	-3.9	12	26.598263	-63	-5.9455	320.000	0.0223	247.3900	-10.46		0.057	Crucis
9813	HD 94724 (HIP 53411)		A0V		1.44	10	55.454167	-43	-1.233333	320.000						Velorum
9814	pi Boö	B	B9p Mn		4.91	14	40.726113	16	25.09945	320.000	0.0079	44.4600	-0.6			Boötis
9815	psi 2 Aqr 93	dwarf	B5 V		4.24	23	17.903587	-9	-10.9508	320.000	0.0127	333.8450	-6			Aquarii
9816	sigma 3 Cnc 64	giant	G8 III			8	59.543333	32	25.116667	320.000						Cancri
9817	tau 8 Ser -26	(HD 140729)	A0 V			15	44.702188	17	0.85	320.000	0.1812	282.2000	-5.2			Serpentis
9818	167 G. Sgr		K1III		1.36	19	22.1595	-42	-0.956667	321.000						Sagittarii
9819	188 G. Pup		G2		0.35	7	49.028333	-24	-54.735	321.000						Puppis
9820	HD 5914 (HIP 7283)		A3V		1.49	1	33.808667	89	0.9433333	321.000						Ursae Minoris
9821	pi Cen	B (dwarfs)	B5 Vn	B?		11	21.006667	-54	-29.46667	321.000	0.0206	266.4360	9			Centauri
9822	HD 71088 (HIP 41676)		G8III		0.92	8	29.7715	67	17.845	322.000						Ursae Majoris
9823	omicron Dra	Supergiant	K2 III			18	51.322	-59	-23.794	322.930						Draconis
9824	HD 10142 (HIP 7643)		K0III		0.96	1	38.458167	-36	-31.67667	323.000						Sculptoris
9825	Polaris	Pole Star, Lodestar, Alruccabah, Cynosura, Phoenice, Tramontana, Angel Stern, Navigatoria, Star of Arcady, Yilduz, Mismar, Polyarnaya; Cepheid variable Dhruva	F7 Ib-II SB	F3 V, dwar	-3.6	2	31.811667	89	15.85	323.000	0.0268	104.9178	-17		0.048	Usrae Minoris
9826	2MASS J09441580+4725546	RotV	M4V			9	44.263658	47	25.911417	323.214	0.0886	217.5335	21			
9827	SCR 1149-4248	PM red / white dwarf stars Subasavage 2005	M			11	49.526833	-42	-48.17	323.845	0.9510	259.9000				
9828	270 G. Sgr		K1III/IV		0	20	4.326	-32	-3.376667	324.000						Sagittarii
9829	45 G. Ser Cap		K0		1.46	16	13.643833	-1	-28.50833	324.000						Serpentis
9830	QQ Tel (HD 96721) (HIP 96721)	Variable star of delta Sct type	Am		1.25	19	39.696667	-45	-16.71333	324.000						Telescopii

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
9831	SCR 0730-7527	PM Red & White dwarf stars Subasavage 2004	M			7	30.266333	-75	-27.49	324.171	0.5690	0.5000				
9832	34 Psc		B9V		0.55	0	10.036333	11	8.7483333	325.000						Piscium
9833	HD 117242 (HIP 65678)		F0		1.35	13	27.9955	52	44.738333	325.000						Ursae Majoris
9834	HD 169913 (HIP 90437)		K0		1.51	18	27.147667	-8	-2.426667	325.000						Scuti
9835	HD 344 (HIP 655)		K1III		0.67	0	8.0586667	-33	-31.76	325.000						Sculptoris
9836	R Hya	(variable)	M6-9e			13	27	-23	-1	325.000	0.0600		-9.66			Hydrae
9837	zeta Crt		G8 IIIa			11	44.762946	-18	-21.04	325.436	0.0221	135.2850	-3.64			Crateris
9838	13 Vir		A5Vn		0.9	12	18.671667		47.228333	326.000						Virginis
9839	iota Gem Propus Yin-Yang	(Propus) (Yin-Yang)	G9 III			7	25.726667	27	47.883333	326.000						Geminorum
9840	zeta Sge		A3V		0.01	19	48.9775	19	8.5183333	326.000						Sagittae
9841	HD 159353		K0 III			17	33.656493	16	19.052785	326.486	0.0323	180.4216	-23.69			Herculis
9842	21 Vul	nu Vul; delta Sct variable	A7IVn		0.18	20	14.242	28	41.691667	327.000						Vulpeculae
9843	HD 179433 (HIP 94556)	PM Border area to Telescopii	G8 III			19	14.661667	-45	-11.6	327.890	0.0362	129.7562	-34.7			Coronae Australis
9844	131 G. Psc		G9III		0.9	1	48.433667	3	41.125	328.000						Piscium
9845	23 Vul		K3III		−0.51	20	15.769333	27	48.853333	328.000						Vulpeculae
9846	45 G. Sex		G9V		1.32	10	24.219167	2	22.085	328.000						Sextantis
9847	beta Cap (Dabih)	B C D? E?	K0 II	B8V, A0 III	-1.96	20	21.011667	-14	-46.88333	328.000	0.0293	286.1270	-17.7		0.053	Capricorni
9848	HD 100030 (HIP 56170)		G9IV		1.38	11	30.885667	47	55.746667	328.000						Ursae Majoris
9849	theta TrA		G8/K0III		0.49	16	35.746167	-65	-29.72	328.000						Trianguli Australis
9850	28 G. Ser Cau		G3III		0.97	18	16.884833	-3	-0.405	329.000						Serpentis
9851	47 G. Sex		M0.5III		0.58	10	25.739167	-7	-3.608333	329.000						Sextantis
9852	HD 118266 (HIP 66326)		K1III+...		1.46	13	35.556167	10	12.305	329.000						Virginis
9853	HD 171819 (HIP 91461)		A3V		0.82	18	39.237833	-47	-54.58833	329.000						Telescopii
9854	HD 220096 (HIP 115312)		G5IV		0.63	23	21.2585	-26	-59.205	329.000						Sculptoris
9855	HD 28732 (HIP 20825)	double star	K0III		0.72	4	27.767333	-62	-31.27333	329.000						Reticuli
9856	HD 63948 (HIP 38183)		K0III		1.3	7	49.472	-44	-45.07333	329.000						Puppis
9857	HD 81309 (HIP 46075)		A1m...		1.45	9	23.748667	-37	-45.41833	329.000						Velorum
9858	11 Lac	B	K2 III	K2 IIIb		22	40.515	44	16.583333	330.000						Lacertae
9859	16 Her		K3 III			16	15.478333	18	48.5	330.000						Herculis
9860	36 Gem		A2 V			6	51.55	21	45.666667	330.000						Geminorum
9861	51 Her		K0.5 IIIa Ca			16	15.755	24	39.383333	330.000						Herculis
9862	6 Equ		A2 V s			21	10.52	10	2.933333	330.000						Equulei
9863	72 Leo	long period variable star	M3IIb			11	15.203333	23	5.733333	330.000						Leonis
9864	76 G. Psc		K0II		1.17	0	17.794167	1	41.321667	330.000						Piscium
9865	eta Del		A3 Ivs			20	33.95	13	1.6316667	330.000						Delphini
9866	gamma 2 Cae	B	F1 III	F2 IV-V		5	4.43595	-35	-42.30655	330.000	0.0288	54.9570	5.9			Caeli
9867	HD 17326 (HIP 12717)		F5 V			2	43.443333	-66	-42.86667	330.000						Horologii
9868	HD 73526 (HIP 42282)	has two planets (b & c)	G6V		4.12	8	37.274667	-41	-19.14667	330.000	0.1006	20.2811	26.1	2	0.38	Velorum
9869	HD 87243 (HIP 49408)		A5IV		1.28	10	5.1733333	52	22.278333	330.000						Ursae Majoris
9870	HD 92036 (HIP 51979)		M2 III			10	37.228333	-27	-24.75	330.000						Hydrae
9871	kappa Cep	B C	B9 III	B9. ?		20	8.0889115	77	42.685167	330.000	0.0152	344.9220	-22.8			Cephei
9872	nu Cyg		A1 Vn			20	57.173333	41	10.333333	330.000						Cygni

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
9873	pi Sco	Vrischika, Iclil; beta Lyr variable, B	B1 V	B2V		15	58.851667	-26	-6.85	330.000	0.0340		-3.219		0.057	Scorpii
9874	psi Sgr		K0/K1III+..		−0.16	19	15.54	-25	-15.39667	330.000						Sagittarii
9875	sigma Her	B	A7 III	G5 III		16	34.103333	42	26.216667	330.000	0.0300		-28.97			Herculis
9876	52 Her	Variable Star of Alpha2 CVn type	A1VpSiSrCr			16	49.236667	45	59	330.000						Herculis
9877	13 Lac		K0 III			22	44.091667	41	49.15	330.001						Lacertae
9878	75 Leo		M0 III			11	17.29	2	0.6333333	330.001						Leonis
9879	31 G. Pup		B8/B9V		0.24	6	47.356833	-37	-55.78	331.000						Puppis
9880	iota Ret		K4III		−0.06	4	1.3011667	-61	-4.743333	331.000						Reticuli
9881	150 G. Sco		A1V		1.34	17	29.426667	-38	-31.01667	332.000						Scorpii
9882	HD 174866 (HIP 92674)		A7Vn		1.23	18	53.03	-9	-34.53333	332.000						Scuti
9883	HD 178187 (HIP 93845)		A4III		0.74	19	6.6393333	24	15.045	332.000						Vulpeculae
9884	HD 85250 (HIP 48119)		K0III		1.01	9	48.667667	-56	-24.715	332.000						Velorum
9885	HD 90518 (HIP 51077)		K1III		1.09	10	26.165167	-42	-44.30333	332.000						Velorum
9886	HD 97501 (HIP 54842)		K2III		1.29	11	13.668333	41	5.3283333	332.000						Ursae Majoris
9887	nu Lep		B7	B8V		5	19.983833	-12	-18.94	332.000						Leporis
9888	epsilon Ari	B	A2IV	A3IVsC		2	59.212089	21	20.425958	332.110	0.0085	249.5629	0.9			Arietis
9889	HD 62412 (HIP 37590)		K1III		0.59	7	42.8025	-26	-21.075	333.000						Puppis
9890	HD 71267 (HIP 41328)		A3m...		0.91	8	25.926667	-14	-55.785	333.000						Puppis
9891	Celaeno	member of the Pleiades star cluster	B7IV		0.4	3	44.803333	24	17.375	334.000						Tauri
9892	HD 136672 (HIP 75565)		K0III		0.84	15	26.242167	-68	-18.55167	334.000						Trianguli Australis
9893	lambda Dra Gianfar Juza Giausar Giauzar	(Gianfar)	M0			11	28.5	69	36	334.000						Draconis
9894	FR Ser	alpha2 CVn-type variable star	A2pvar		1.41	18	35.608	4	56.163333	335.000						Serpentis
9895	gamma Peg (Algenib)	(variable)	B2 IV		-3.4	0	13.236667	15	11.01667	335.000	0.0100		4.02			Pegasi
9896	HD 29646 (HIP 21819)		A2V		0.67	4	41.329	28	36.903333	335.000						Tauri
9897	HD 85563 (HIP 48348)		K2III		0.56	9	51.329333	-46	-11.63667	335.000						Velorum
9898	HD 72923	PM	K0			8	37.722979	52	1.8510319	335.185	0.0552	184.7631	30.72			
9899	alpha Vel	(irregular variable)	F2 - A2			8	12.248167	-44	-23.25	336.000	0.0629	30.1983	35			Velorum
9900	CCDM J01171-6624 (HD 7916) (HIP 5992)	B, ?	A0V	?, ?	1.16	1	17.061333	-66	-23.87333	336.000						Tucanae
9901	HD 77309 (HIP 44504)		A2V		0.67	9	4.0066667	54	17.033333	336.000						Ursae Majoris
9902	lambda Leo (Alterf)		K5			9	31.720667	22	58.083933	336.000						Leonis
9903	HD 4939	Star	F3/5V			0	51.331184	-9	-24.33255	336.223	0.0150	69.8013	-26.35			
9904	18 G. tau		G9III		0.84	3	46.156	6	48.22	337.000						Tauri
9905	92 Vir		A8V		0.82	13	56.464833	1	3.0333333	337.000						Virginis
9906	SCR 0128-7104	PM Red & White dwarf stars Subasavage 2004	M			1	28.846667	-71	-4.878333	337.203	0.4520	88.8000				
9907	86 Leo (HD 100006) (HIP 56146)		K0 III			11	30.483333	18	24.583333	337.925	0.0467	72.9330	24.37			Leonis
9908	158 G. Sco		A0V		1.4	17	35.718	-37	-26.38833	338.000						Scorpii

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
9909	40 G. Psc		A3Vn		0.81	23	41.945167	7	15.038333	338.000						Piscium
9910	HD 23753 (HIP 17776)		B8V		0.36	3	48.346667	23	25.281667	338.000						Tauri
9911	HD 71926	RotV	G6IV/V			8	29.919563	0	1.157129	338.669	0.0158	234.8516	-20.25			
9912	85 Vir		A0V		1.1	13	45.584833	-15	-46.045	339.000						Virginis
9913	91 G. Vir		K0		1.36	12	53.635333	-4	-13.47	339.000						Virginis
9914	H Sco	76 G. Sco = beta Nor	K5III		−0.90	16	36.374333	-35	-15.32167	339.000						Scorpii
9915	HD 143238 (HIP 78603)		B9.5V		1.17	16	2.8755	-62	-32.49167	339.000						Trianguli Australis
9916	HD 156293 (HIP 84690)		B9V		0.68	17	18.797333	-44	-7.781667	339.000						Scorpii
9917	theta PsA		A1V		−0.06	21	47.736167	-30	-53.89833	339.000						Piscis Austrini
9918	V3961 Sgr (235 G. Sgr)	CVn variable	A0p		0.24	19	51.843167	-39	-52.46	339.000						Sagittarii
9919	60 Sgr	part of the Terebellum	G8II/III		−0.25	19	58.953	-26	-11.75	340.000						Sagittarii
9920	epsilon Leo	(Ras Elased)	G0 III		-2.1	9	43	24		340.000	0.0500		4.83		0.057	Leonis
9921	gamma Cam	subgiant	A2 IVn		4.677	3	50.358458	71	19.935933	340.000	0.0266	246.4910	-1			Camelopardi
9922	HD 144481 (HIP 79208)		A3m...		1.41	16	9.9865	-62	-58.02	340.000						Trianguli Australis
9923	HD 21379 (HIP 16095)		A0Vs		1.2	3	27.311167	12	44.118333	340.000						Tauri
9924	HD 7229 (HIP 5679)		G1V...		1.15	1	12.991	30	3.8583333	340.000						Piscium
9925	mu Ari	B	A0 V		5.72	2	42.365662	20	0.6879	340.000	0.0312	300.8190	-7			Arietis
9926	zeta Ari	dwarf	A1 V			3	14.901667	21	2.166667	340.000						Arietis
9927	SCR 2059-4302	PM red / white dwarf stars Subasavage 2005	M			20	59.3865	-43	-2.495	340.135	0.4480	163.7000				
9928	7 Psc		K2III		-0.05	23	20.342333	5	22.886667	341.000						Piscium
9929	V949 Sco (154 G. Sco)	delta Sct variable	F2IV		1.06	17	32.410667	-34	-16.76	341.000						Scorpii
9930	SCR 0658-0655	PM red / white dwarf stars Subasavage 2005	M			6	58.235667	-6	-55.59	341.764	0.5740	130.6000				
9931	phi A Tau		K1 III		−0.13	4	20.355	27	21.05	342.000					0.006	Tauri
9932	rho Cen	dwarf	B3 V		-1.12	12	11.651667	-52	-22.11667	342.000	0.0268	246.4380	15			Centauri
9933	HD169009 (HIP 90083)		B9.5V		1.21	18	23.035	-10	-13.135	343.000						Scuti
9934	lambda Pic		K0/K1III		0.19	4	42.774333	-50	-28.885	343.000						Pictoris
9935	28 G. Sco		K1III		1.07	16	9.5293333	-32	-38.93667	344.000						Scorpii
9936	280 G. Sgr		K2III		1.08	20	12.397667	-42	-46.78833	344.000						Sagittarii
9937	46 Vir		K2III		0.87	13	0.5993333	-3	-22.11667	344.000						Virginis
9938	91 Psc		K5III		0.12	1	21.1225	28	44.303333	344.000						Piscium
9939	14 Sex		K1III		1.07	10	6.7906667	5	36.691667	345.000						Sextantis
9940	213 G. Pup		G5III...		−1.41	7	52.2175	-40	-34.54833	345.000						Puppis
9941	45 G. Sco		B9V		1.29	16	14.4815	-21	-6.453333	345.000						Scorpii
9942	93 tau		B8IV		0.33	4	40.057	12	11.858333	345.000						Tauri
9943	beta Sex	alpha2 CVn-type variable star	B6V		−0.04	10	30.291667		-38.21833	345.000						Sextantis
9944	HD 119765 (HIP 67005)		A1V		0.9	13	43.913333	52	3.865	345.000						Ursae Majoris
9945	HD 26038 (HIP 19284)		K5III		0.77	4	7.9901667	17	20.395	345.000						Tauri
9946	206 G. Sgr		K0III		1.14	19	35.557667	-12	-15.18333	346.000						Sagittarii
9947	73 G. Sex		G8III:		0.72	10	49.724667	-9	-51.15833	346.000						Sextantis
9948	2MASS J12593573-6808010	Em	M4			12	59.59552	-68	-8.018675	346.227	0.0238	248.0413				
9949	14 tau		G8III		0.99	3	43.785667	19	39.91	347.000						Tauri

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
9950	181 G. Sco		K2III		−0.29	17	56.7905	-44	-20.53167	347.000						Scorpii
9951	epsilon UMi	B (eclipsing binary)	G5IIIvar		−0.92	16	45.968333	82	2.233333	347.000					0.107	Ursae Minoris
9952	nu Ari		A7 V			2	38.816667	21	57.683333	347.000						Arietis
9953	31 G. Sgr		K0IIICNpvar		−0.59	18	8.0826667	-28	-27.42167	348.000						Sagittarii
9954	HD 201051 (HIP 104172)		K0II-III		0.99	21	6.3908333	26	55.465	348.000						Vulpeculae
9955	HD 38263 (HIP 27116)		A3		1.33	5	45.021667	12	53.301667	348.000						Tauri
9956	HD 77601 (HIP 44613)		F6II-III		0.34	9	5.4018333	48	31.821667	348.000						Ursae Majoris
9957	HD 99283 (HIP 55797)		K0III		0.59	11	25.953	55	51.02	348.000						Ursae Majoris
9958	kappa Ser	Giant	M1III		−1.05	15	48.740167	18	8.5066667	348.000						Serpentis
9959	53 G. tau		G9III		0.99	4	28.060333	1	51.515	349.000						Tauri
9960	59 Psc	XX Psc; ? Sct variable	F0Vn		0.96	0	47.226	19	34.721667	349.000						Piscium
9961	HD 177406 (HIP 93862)		A0V		0.8	19	6.9266667	-48	-17.94667	349.000						Telescopii
9962	HR 3251 (HD 69445) (HIP 40476)		G6:III+...		1.07	8	15.876167	-30	-55.555	349.000						Puppis
9963	10 Tri		A2V		0.13	2	18.949833	28	38.56	350.000						Trianguli
9964	43 UMa		K2III		0.51	10	51.184667	56	34.935	350.000						Ursae Majoris
9965	75 G. Sgr		A5V		0.22	18	31.080833	-32	-59.34	350.000						Sagittarii
9966	beta Cru Mimosa Becrux	B	B0.5	B0 IV	-4.6	12	47.72	-59	-41.31667	350.000	0.0500		19.31			Crucis
9967	chi Cyg	(variable)	Mira Cet			23	57	-38	-49	350.000	0.0500		-1.61			Cygni
9968	lambda Nor	B	A0V	A3V		16	19.29411	-42	-40.43836	350.000	0.0089	150.2876				Normae
9969	pi And	B	B5 V		-0.8	0	34.2	33	27	350.000	0.0150		8.85			Andromedae
9970	SSSPM J1549-3544	(Halo white subdwarf)	sdK5		9.5	15	48.6705	-35	-44.425	350.000	0.4650	47.7000				Lupi
9971	25 Sex	SS Sex	B9p Si(CrSr)		0.77	10	23.441833	-4	-4.443333	351.000						Sextantis
9972	60 UMa		F5IIIs		0.93	11	38.559	46	50.056667	351.000						Ursae Majoris
9973	eta CMi	giant B	F0 III	?		7	28.035	6	56.516667	351.000						Canis Minoris
9974	HD 83962 (HIP 47791)		F3Vn		1.02	9	44.610333	64	59.043333	351.000						Ursae Majoris
9975	GJ 4106 (BPM 26134)	PM	M2		10.44139643	19	19.827932	-53	-43.22921	351.566	0.0596	162.2154	18.72			
9976	295 G. Sgr		K3III		0.91	20	25.800167	-40	-47.75833	352.000						Sagittarii
9977	94 Vir		A0		1.37	14	6.2961667	-8	-53.5	352.000						Virginis
9978	HD 114256 (HIP 64179)		K0III		0.63	13	9.207	10	1.3483333	352.000						Virginis
9979	HD 30912 (HIP 22697)		F2IV		0.81	4	52.784833	27	53.855	352.000						Tauri
9980	4 Cap	Horizontal Branch Star	K0 III			20	18.023275	-21	-48.59751	352.475	0.0246	124.4043	-18.5			Capricorni
9981	kappa Lib		M0-IIIb			15	41.946667	-19	-40.72758	352.834	0.0628	197.2657	-4.5			Librae
9982	31 G. PsA		A5V		1.27	22	10.002167	-28	-17.55	353.000						Piscis Austrini
9983	sigma Hya Minchir Michar al Minchar al Shuja		K1 III			8	38.756667	3	20.483333	353.000						Hydrae
9984	HD 187420 (HIP 97816)		G8/K0III		0.58	19	52.628333	-54	-58.26167	354.000						Telescopii
9985	HD 231701 (HIP 96078)	b	F8V		3.81	19	32.069333	16	28.456667	354.000				1	0.38	Sagittae
9986	HD 56456 (HIP 35020)		B8/B9V		−0.43	7	14.635667	-48	-16.315	354.000						Puppis
9987	Sterope II	Asterope; member of the Pleiades star cluster	A0Vn		1.25	3	46.048167	24	31.68	354.000						Tauri
9988	pi Her (HD 156283) (HIP 84380)		K3 II		-2.4	17	15.046667	36	48.55	354.863	0.0169	76.1013	-25.57		0.02	Herculis

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
9989	2 Sge		A2III-IV		1.08	19	24.368	16	56.265	355.000						Sagittae
9990	25 G. Sgr		K2III		0.79	18	4.8398333	-35	-54.08167	355.000						Sagittarii
9991	46 Ser		A3		1.55	16	8.0955	10	4.83	355.000						Serpentis
9992	6 tau		B9IV		0.57	3	32.598833	9	22.413333	355.000						Tauri
9993	EP UMa	CVn variable	F0sp...		0.88	11	9.6653333	67	12.616667	355.000						Ursae Majoris
9994	HD 80170 (HIP 45544)		K2III		0.12	9	16.951667	-39	-24.08667	355.000						Velorum
9995	lambda Cas	B (dwarfs)	B7.5 V	B8.5 V		0	31.773333	54	31.333333	355.000	0.0252	109.9590	-12			Cassiopeiae
9996	O Vel		A0V		0.38	9	43.705	-53	-53.48167	355.000						Velorum
9997	10 Vul		G8III		0.31	19	43.715333	25	46.311667	356.000						Vulpeculae
9998	eta Vol		A0/A1IV/V		0.09	8	22.075333	-73	-24.00333	356.000						Volantis
9999	pi Vir		A5V		−0.54	12	0.8731667	6	36.863333	356.000						Virginis
10000	90 G. Sgr		K0III		1.11	18	44.132167	-36	-43.09333	357.000						Sagittarii
10001	HD 142245 (HIP 77783)	b	K0		0	15	52.933333	15	25.85	357.000				1	0.39	Serpentis
10002	HD 216169 (HIP 112895)		K1IIICN...		1.27	22	51.75	-59	-52.88167	357.000						Tucanae
10003	HD 74879 (HIP 43002)		A3IV/V		0.87	8	45.821667	-25	-23.28667	357.000						Pyxidis
10004	HD 77580 (HIP 44367)		K1IIICN...		1.05	9	2.107	-39	-24.135	357.000						Velorum
10005	127 G. Pup		B8IV/V		−0.67	7	37.368667	-34	-58.115	358.000						Puppis
10006	epsilon Del Deneb Dulfim	(Deneb Dulfim)	B6 III			20	33.213333	11	18.2	358.000	0.0177	159.3600	-19			Delphini
10007	HD 71863 (HIP 41321)		G8/K0III		0.75	8	25.860333	-64	-36.04	358.000						Volantis
10008	CSO 1334	White dwarf	DA			12	31.681203	38	10.331717	358.022	0.0124	58.6404				Canum Venaticorum
10009	13 Vul		B9.5III		−0.64	19	53.461333	24	4.7716667	359.000						Vulpeculae
10010	2 Pup A		A6/A7		0.85	7	45.485667	-14	-41.42833	359.000						Puppis
10011	259 G. Sgr		A8III		0.59	20	0.8053333	-45	-6.776667	359.000						Sagittarii
10012	HD 167257 (HIP 89597)		B9V		0.85	18	17.015333	-51	-4.095	359.000						Telescopii
10013	HD 182893 (HIP 95866)		K0/K1III		0.93	19	29.8765	-55	-26.495	359.000						Telescopii
10014	HD 26703 (HIP 19736)		K0		1.04	4	13.8305	12	45.225	359.000						Tauri
10015	HD 37784 (HIP 26853)		K2		1.14	5	42.0665	22	39.623333	359.000						Tauri
10016	Merope	V971 Tau; member of the Pleiades star cluster; beta Cep variable	B6IV		−1.07	3	46.326	23	56.908333	359.000						Tauri
10017	rho 2 Sgr		K0III		0.63	19	21.847167	-18	-18.49	359.000						Sagittarii
10018	HD 88693 (HIP 49994)		K2IIICN...		1.11	10	12.382833	-52	-9.801667	359.202	0.0404	49.4433	12.18			Velorum
10019	18 Dra		K0 III			16	40.918333	64	35.35	360.000						Draconis
10020	37 G. Sgr		K1III + (F)		0.31	18	10.096833	-30	-43.71667	360.000						Sagittarii
10021	5 tau		K0II-III...		−1.08	3	30.872833	12	56.201667	360.000						Tauri
10022	beta Dra Rastaban Asuia Alwaid	B?	G2 II		-2.1	17	30.599367	52	18.083233	360.000	0.0113	53.4190	-20		0.057	Draconis
10023	beta Equ		A3 V		-0.1	21	22.893545	6	48.668433	360.000	0.0313	281.9550	-11.1			Equulei
10024	Eta2 Dor		M2.5 III			6	11.25	-63	-35.36667	360.000						Doradus
10025	gamma Cha		M0 III			10	35.468333	-78	-36.46667	360.000						Chamaeleontis
10026	HD 6953 (HIP 5494)		K5III		0.6	1	10.324167	25	27.481667	360.000						Piscium
10027	HD 73029 (HIP 42434)		A2Vn		1.25	8	39.168333	59	56.355	360.000						Ursae Majoris
10028	Maia	member Pleiades star cluster	B8III		−1.34	3	45.8265	24	22.071667	360.000						Tauri

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
10029	mu Psc	multiple	K4III	?	-0.38	1	30.182333	6	8.6366667	360.000	0.1727	98.9842	34			Piscium
10030	omega Boö	giant	K4 IIIab			15	2.108333	25	0.4833333	360.000						Boötis
10031	zeta Hyi		A2 IV-V			2	45.549333	-67	-37	360.000						Hydri
10032	HD 25170 (HIP 18401)		K1/K2III		0.86	3	56.06663	-63	-27.82295	360.606	0.0434	297.2213	9.81			Reticuli
10033	HD 82734		K0 III			9	33.207665	-21	-6.943338	360.749	0.0148	53.5519	15.83			Hydrae
10034	HU tau	Algol variable	B8V		0.63	4	38.264	20	41.085	361.000						Tauri
10035	GD 411	White dwarf	DA5.6			0	36.595001	77	23.137857	361.598	0.0485	92.5384				
10036	HD 104438 (HIP 58654)		K0III		0.36	12	1.6588333	36	2.5366667	362.000						Ursae Majoris
10037	HD 70761 (HIP 41074)		F3Ib			8	22.832333	-26	-20.89333	362.000						Puppis
10038	SCR 0942-6428	PM Red & White dwarf stars Subasavage 2004	M			9	42.298333	-64	-28.725	362.615	0.5310	307.3000				
10039	40 UMa		A8V		1.88	10	45.997667	56	55.248333	363.000						Ursae Majoris
10040	9 G. Sgr		A1V		1.25	17	55.916	-18	-48.12667	363.000						Sagittarii
10041	HD 29459 (HIP 21689)		A5Vn		0.97	4	39.385667	25	13.098333	363.000						Tauri
10042	12 G. Sgr		G8III		0.49	17	58.928	-36	-51.505	365.000						Sagittarii
10043	30 Vul		K2III		−0.32	20	44.875333	25	16.263333	365.000						Vulpeculae
10044	36 G. Sgr		K0III		1.15	18	9.9993333	-32	-43.15667	365.000						Sagittarii
10045	39 G. Sgr		A2V		1.09	18	11.2465	-19	-50.51333	365.000						Sagittarii
10046	55 G. tau		G8III		1.22	4	30.038333	10	15.745	365.000						Tauri
10047	beta Hya	B	B9 IIIp Si	?		11	52.91	-33	-54.48333	365.000						Hydrae
10048	HD 6269 (HIP 4932) (HR 300)		G8IIICN...		1.03	1	3.296	-29	-31.54667	365.000						Sculptoris
10049	nu Pup		B8 III		-3.2	6	37.761224	-43	-11.75583	365.320	0.0031	192.1272	30.9			Puppis
10050	41 Sex		A3m		0.55	10	50.301	-8	-53.86333	366.000						Sextantis
10051	75 Psc		G8III		0.89	1	6.5603333	12	57.358333	366.000						Piscium
10052	WX PsA (68 G. PsA)		F0V		0.26	22	59.596	-29	-27.74	366.000						Piscis Austrini
10053	HD 82969	Star	G5		1.45	9	37.625165	60	12.820982	366.892	0.0199	200.3406	9.19			Ursae Majoris
10054	118 G. Psc	variable	K1IIIvar		0.96	1	28.380833	7	57.681667	367.000						Piscium
10055	HD 193094 (HIP 100018)		G9III		0.98	20	17.525667	29	8.85	367.000						Vulpeculae
10056	HD 79763 (HIP 45590)		A1V		0.7	9	17.5195	46	49.031667	367.000						Ursae Majoris
10057	66 Psc B		A1Vn		0.54	0	54.587	19	11.306667	367.000						Piscium
10058	18 tau		B8V		0.4	3	45.162167	24	50.361667	368.000						Tauri
10059	39 UMa		A0Vs		0.53	10	43.722	57	11.96	368.000						Ursae Majoris
10060	HD 75649 (HIP 43394)		B9V		0.91	8	50.360833	-28	-37.05667	368.000						Pyxidis
10061	HD 9742 (HIP 7361)		K0/K1III		0.85	1	34.847167	-31	-53.53333	368.000						Sculptoris
10062	nu Psc		K3III		-0.81	1	41.431833	5	29.256667	368.000	0.0134	80.9756	0.4			Piscium
10063	2 G. tau		K0		1.2	3	23.605167		54.618333	369.000						Tauri
10064	91 G. Sco		K0III		0.21	16	46.7995	-39	-22.61333	369.000						Scorpii
10065	HD 173791 (HIP 92367)		G8III		0.2	18	49.455727	-45	-48.60601	369.929	0.0544	307.6095	11.57			Telescopii
10066	128 G. Sco		K1IIICN...		1.03	17	12.275833	-38	-49.345	370.000						Scorpii
10067	136 G. Sco		B9/B9.5V		0.92	17	15.856	-30	-12.63667	370.000						Scorpii
10068	21 PsA		G8/K0III		0.71	22	51.349	-29	-32.17667	370.000						Piscis Austrini
10069	80 Vir		G6III		0.42	13	35.5215	-5	-23.78333	370.000						Virginis
10070	alpha Ant	(variable)	K4 III			10	27.151685	-31	-4.07	370.000	0.0471	173.2000	12.2			Antliae

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
10071	Electra	Member Pleiades star cluster	B6III		−1.56	3	44.875333	24	6.8066667	370.000						Tauri
10072	epsilon Tri	binary star	A2V		0.22	2	2.9661667	33	17.048333	370.000						Trianguli
10073	gamma Lyr (Sulafat)		A0			18	57.1	32	37	370.000	0.0100		-20.92			Lyrae
10074	HD 185075 (HIP 96781)		K0III		0.97	19	40.310667	-54	-25.065	370.000						Telescopii
10075	HD 85841 (HIP 48893)		K3III:		0.58	9	58.381833	72	52.776667	370.000						Ursae Majoris
10076	Kappa2 Sgr	294 G. Sgr	A3V		0.36	20	23.8865	-42	-25.375	370.000						Sagittarii
10077	lambda tau (Elthor)	eclipsing binary; Algol variable	B3 V	A4 IV	-2	4	0.68	12	29.416667	370.000						Tauri
10078	omega Car Diamond Cross Simiram	(Diamond Cross)	B8 III			10	13.736667	-70	-2.283333	370.000	0.0300		4.02			Carinae
10079	R Leo	(variable), b	M8 IIIe			9	47.558173	11	25.727433	370.000	0.0500		12.87	1g	0.003	Leonis
10080	zeta 1 Ant	zeta 2	A1 V			9	30.756833	-31	-53.48	370.000	0.0167	240.8000	-3			Antliae
10081	47 tau		G5III		−0.44	4	13.939833	9	15.833333	371.000						Tauri
10082	g Vir		K3III		0.29	13	8.5415	-8	-59.05333	371.000						Virginis
10083	HD 15464 (HIP 11651)		K1III		0.98	2	30.276	33	50.03	371.000						Trianguli
10084	HD 42168 (HIP 28988)		K1III		1.19	6	7.0305	-45	-5.496667	372.000						Puppis
10085	lambda 2 Scl		K1III		0.61	0	44.198667	-38	-25.31833	372.000						Sculptoris
10086	Xi2 Sgr		G8/K0II/III		−1.77	18	57.729667	-21	-6.396667	372.000						Sagittarii
10087	1 G. Vir		K1III		0.89	11	38.1645	8	53.026667	373.000						Virginis
10088	3 G. Vir		G9III		0.93	11	38.4015	-2	-26.15667	373.000						Virginis
10089	HD 105043 (HIP 58989)		K2III		0.85	12	5.6626667	62	55.998333	373.000						Ursae Majoris
10090	HD 78676 (HIP 44887)		A4IV		0.86	9	8.726	-26	-46.05833	373.000						Pyxidis
10091	HIP 90967 (HD 171149)		A0Vn		1.07	18	33.3785	-5	-54.69833	373.000						Scuti
10092	Taygeta	member of the Pleiades star cluster	B6V		−0.99	3	45.208	24	28.043333	373.000						Tauri
10093	SCR 1817-5318	PM Red & White dwarf stars Subasavage 2004	M			18	17.107167	-53	-18.08	373.367	0.6170	209.9000				
10094	SS Cyg	(variable) Dwarf Nova	Dwarf			21	42.713391	43	35.164396	373.444	0.0682	286.6417	-62			Cygni
10095	HD 34968		A0V E			5	20.448583	-21	-14.38561	373.675	0.0114	118.6825	30.9			Leporis
10096	42 Lib		K3IIICN1			15	40.281639	-23	-49.08459	373.830	0.0143	223.4347	-21.8			Librae
10097	epsilon Tuc	subgiant	B9 IV			23	59.916667	-65	-34.63333	374.000						Tucanae
10098	HD 104179 (HIP 58512)		A9III		1.19	11	59.956833	34	2.08	374.000						Ursae Majoris
10099	HD 180902 (HIP 97951)	b	K0III/IV		2.48	19	19.295167	-23	-33.48932	374.000				1	0.32	Sagittarii
10100	SS Aur	(Dwarf variable)	Be subdwarf		7.5 - 9	6	9.6	47	46	375.000	0.0300					Aurigae
10101	SCR 0331-8251	PM Red dwarf stars Subasavage 2004	M			3	31.696333	-82	-51.175	375.322	0.4470	50.8000				
10102	2 H Vel		B5V		−0.63	8	56.321333	-52	-43.41	376.000						Velorum
10103	HD 39004 (HIP 27629)		G7III:		0.29	5	50.9685	27	58.07	376.000						Tauri
10104	zeta UMi Ahia Al Farkadain		A3 Vn		-1.02	15	44.058333	77	47.6666	376.000	0.0118	97.1004	-13.1			Ursae Minoris
10105	5 PsA		A1V		1.21	21	29.062167	-31	-14.31167	377.000						Piscis Austrini
10106	6 G. Ser Cau		B8Vn		0.23	17	34.7725	-11	-14.52	377.000						Serpentis
10107	HD 113994 (HIP 63952)		G7III		0.83	13	6.381	62	2.5183333	377.000						Ursae Majoris
10108	HD 151404 (HIP 82539)		K2III		1.01	16	52.296333	-67	-40.89	377.000						Trianguli Australis

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
10109	HD 181342 (HIP 95124)	b	K0III		2.24	19	21.0705	-23	-37.175	377.000				1	0.38	Sagittarii
10110	HD 66210 (HIP 39122)		A2V		0.7	8	0.2453333	-48	-58.89667	377.000						Puppis
10111	HD 69002 (HIP 40291)		K2III		1.07	8	13.684167	-33	-34.17333	377.000						Puppis
10112	phi Psc		K0III...		-0.65	1	13.749	24	35.026667	377.000	0.0164	138.8484	5.9			Piscium
10113	beta1 Sgr	Arkab Prior; 168 G. Sgr	B9V		−1.36	19	22.638167	-44	-27.535	378.000						Sagittarii
10114	86 Vir		G8III		0.17	13	45.938833	-12	-25.59333	379.000						Virginis
10115	97 Psc, VX	Sct. Variable	A4IV		0.69	1	29.8805	18	21.34	379.000						Piscium
10116	HD 169191 (HIP 90067)		K3 III			18	22.816667	17	49.6	379.269	0.0430	281.9665	-19.24			Herculis
10117	HD 42540 (HIP 28991)	PM Border area to Doradus	K2 3III			6	7.0566667	-62	-9.283333	379.430	0.0420	167.3953	25.61			Pictoris
10118	A Tau	member of the Pleiades star cluster; triple star	B8III		−1.72	3	49.162167	24	3.2116667	380.000						Tauri
10119	CG Tuc	CVn variable	Ap Si		0.33	23	29.0155	-63	-6.636667	380.000						Tucanae
10120	epsilon Cen (Birdun) Al Birdhaun	(B Cephi variable)	B1 III		-3.9	13	39.886667	-53	-27.98333	380.000	0.0113	228.7810	3		0.057	Centauri
10121	eta Ret		G7III		−0.09	4	21.887	-63	-23.20833	380.000						Reticuli
10122	HD 23923 (HIP 17900)		B8V		0.84	3	49.725333	23	42.718333	380.000						Tauri
10123	tau 2 Aqr		K5 III		5.652	22	49.591705	-13	-35.55792	380.000	0.0237	252.0360	1			Aquarii
10124	V505 Sgr (240 G. Sgr)		A1V		1.14	19	53.1065	-14	-36.185	380.000						Sagittarii
10125	64 G. Sco		A0V+...		1.11	16	23.945333	-33	-11.96	381.000						Scorpii
10126	HD 161390 (HIP 87042)		A0V		1.07	17	47.121667	-38	-6.725	381.000						Scorpii
10127	HD 72310 (HIP 41817)		B9.5IV/V		0.08	8	31.515667	-19	-34.64667	381.000						Pyxidis
10128	HD 73468 (HIP 41907)		G8III		0.77	8	32.698	-73	-21.41833	381.000						Volantis
10129	ksi Cnc	B (Close binary)	G9 III			9	9.358333	22	2.733333	381.000						Cancri
10130	omicron Aqr (Kae Uh)		B7 IV-e		4.7	22	3.314068	-2	-9.321783	381.000	0.0158	335.8190	12			Aquarii
10131	231 G. Vir		K0III		0.87	14	17.063167	-18	-35.14167	382.000						Virginis
10132	HD 106884 (HIP 59920)		K6III		0.46	12	17.492667	53	11.486667	382.000						Ursae Majoris
10133	12 Lib		K2III			14	54.335479	-24	-38.53249	382.246	0.0172	201.6492	8.8			Librae
10134	22 G. Ser Cap		A1V		0.21	15	45.391167	5	26.84	384.000						Serpentis
10135	24 G. Sco		B8IV/V		0.97	16	7.865	-24	-27.73667	384.000						Scorpii
10136	epsilon Cru Juxta Crucem		K3 III			12	21.36	-60	-24.06667	384.000	0.1130	241.7720	-4.6			Crucis
10137	pi 2 UMi		F2		1.54	15	39.645333	79	58.986667	384.000						Ursae Minoris
10138	theta Ant	B	A8 V	F?		9	44.201833	-27	-46.17	384.000	0.0341	144.6000	24			Antliae
10139	44 Eri		B3V		0.17	4	28.535167	1	22.851667	385.000						Tauri
10140	5 G. Vir		G8III:		0.69	11	43.918167	-6	-40.62333	385.000						Virginis
10141	zeta Cen (Alnair) al Batn	B	B2 IV	?	-3.4	13	55.54	-47	-17.3	385.000	0.0422	231.9330	6.44			Centauri
10142	109 G. Sgr		G8/K0III		0.91	18	52.472	-26	-39.03667	386.000						Sagittarii
10143	88 G. Vir		G8III		1.11	12	51.382167	-10	-20.29333	386.000						Virginis
10144	sigma Ara		A0 V			17	35.66	-46	-30.33333	386.000						Arae
10145	chi (Drys) Drus		B2 IV			7	56.778333	-52	-58.93333	387.000	0.0400		18.51			Carinae
10146	Pleione	BU Tau; member of the Pleiades star cluster; gamma Cas variable	B7p		−0.32	3	49.186667	24	8.21	387.000						Tauri

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
10147	Sterope I	Asterope; member of the Pleiades star cluster	B8V		0.39	3	45.907667	24	33.276667	387.000						Tauri
10148	80 G. Sco		G3III		1.09	16	42.485167	-37	-4.748333	388.000						Scorpii
10149	beta Pyx		G5II/III		−1.41	8	40.102333	-35	-18.49833	388.000					0.054	Pyxdis
10150	HD 83465 (HIP 47172)		K1III		0.8	9	36.7735	-52	-56.635	388.000						Velorum
10151	TT Ret	double star; alpha2 CVn variable, Vmax = 0.015m	Ap EuCr(Sr)		0.96	4	16.348667	-60	-56.91333	388.000						Reticuli
10152	k1 Pup	Markab, Markeb; component of the k Puppis system	B6V		−1.92	7	38.822999	-26	-48.10586	388.315	0.0151	60.7642	23.6			Puppis
10153	k2 Pup	component of the k Puppis system	B5IV		-1.81	7	38.83115	-26	-48.23	388.315	0.0180	38.8333	33			Puppis
10154	11 UMi	Pherkad Minor; b	K4III		−0.37	15	17.098	71	49.433333	389.000						Ursae Minoris
10155	31 Lyn (Alsciaukat Mabsuthat)	(variable)	K4.5III		-1.13	8	22.8355	43	11.3	389.000						Lyncis
10156	43 Ser		G9III		0.68	16	3.7618333	4	59.208333	389.000						Serpentis
10157	HD 67977 (HIP 39920)		G8III		0.82	8	9.1698333	-35	-27.30333	389.000						Puppis
10158	HD 77361 (HIP 44290)		K1IIICN...		0.81	9	1.19	-26	-39.815	389.000						Pyxidis
10159	HD 85583 (HIP 48638)		K0		0.91	9	55.055833	61	6.9683333	389.000						Ursae Majoris
10160	SDSS J125733.63+542850.5	White dwarf	DA			12	57.560906	54	28.840779	389.247	0.0274	75.6823	-159			
10161	SCR 0837-4639	PM red / white dwarf stars Subasavage 2005	M			8	37.261667	-46	-39.83667	389.331	0.4470	303.5000				
10162	SCR 1155-7904	PM Red & White dwarf stars Subasavage 2004	M			11	55.001167	-79	-4.218333	389.657	0.4010	297.3000				
10163	beta Cyg (Albireo)	B	K3 III	B8 V	-2.18	19	30.72135	27	57.580833	390.000	0.0053	231.5480	-22.53		0.02	Cygni
10164	HD 82694 (HIP 46811)		G8III		−0.04	9	32.321167	-40	-38.96	390.000						Velorum
10165	Kappa1 Vol	part of the kappa Vol triple star system	B9III/IV		−0.06	8	19.816667	-71	-30.9	390.000						Volantis
10166	mu Lep		B9			5	10.7	-16	-16	390.000	0.0500		25.75			Leporis
10167	nu Cas		B9 III			0	48.835	50	58.1	390.000	0.0185	107.9680	9			Cassiopeiae
10168	theta Nor	Blue White Main	B8V			16	15.255297	-47	-22.32113	390.000	0.0329	217.4617	-1.4			Normae
10169	zeta CMa		B2.5 V		-2.4	6	18.4	-30	-2	390.000	0.0050		30.58			Canis Majoris
10170	zeta Cyg		G8 II		-2.2	21	10.8	30	1	390.000	0.0600		16.9		0.057	Cygni
10171	14 Tri		K5III		−0.25	2	32.102333	36	8.8333333	391.000						Trianguli
10172	148 G. Sgr		K1III		0.71	19	9.8021667	-19	-48.20667	392.000						Sagittarii
10173	lambda Aqr (Hydor) Ekkhysis	(Hydor or Ekkhysis)	M2 III		5.393	22	52.614598	-7	-34.77595	392.000	0.0222	59.1860	-8.8			Aquarii
10174	SCR 2204-3347	PM red / white dwarf stars Subasavage 2005	M			22	4.038	-33	-47.64833	392.915	1.0000	152.0000				
10175	22 Sco		B3V		−0.61	16	30.208	-25	-6.91	393.000						Scorpii
10176	HD 215682 (HIP 112603)		K0III		0.95	22	48.355	-61	-41.06167	393.000						Tucanae
10177	HD 61642 (HIP 37202)		G8III		0.79	7	38.542167	-38	-46.88333	393.000						Puppis
10178	Stella Ludoviciana (HD 116798)		A5		2.18	13	24.866667	54	53.85	393.000						Ursae Majoris
10179	V1040 Sco (5 G. Sco)	Be star	B2V		0.01	15	53.931167	-23	-58.68167	393.000						Scorpii

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
10180	2 R Vel		K0III		1.09	10	6.121	-52	-11.27833	394.000						Velorum
10181	41 Psc		K3III		-0.04	0	20.597667	8	11.415	395.000						Piscium
10182	52 G. tau		K1III		0.81	4	27.011	2	4.7733333	395.000						Tauri
10183	delta Cen (Ma Wei)	GC 16576 GC 16575	B2p	B6III, B9	-2.7	12	8.358333	-50	-43.35	395.000	0.0279	262.3070	11			Centauri
10184	HD 120787 (HIP 67485)		G3V		0.55	13	49.757167	61	29.373333	395.000						Ursae Majoris
10185	HD 36160 (HIP 25806)		K0		0.87	5	30.722	22	27.738333	395.000						Tauri
10186	Kappa2 Vol	part of the kappa Vol triple star system	A0p		0.21	8	20.009333	-71	-30.32833	395.000						Volantis
10187	rho Ser		K5III		−0.68	15	51.265667	20	58.673333	395.000						Serpentis
10188	HD 74988 (HIP 43142)		A0 V			8	47.249748	-1	-53.82234	395.096	0.0182	84.6122	2			Hydrae
10189	66 tau		A3V		−0.32	4	23.864	9	27.658333	396.000						Tauri
10190	CCDM J13048+7301 (HD 113889) (HIP 63822)	B	F0V	?	1.01	13	4.8296667	73	1.4966667	396.000						Ursae Minoris
10191	HD 223466 (HIP 117510)		A3V		1.02	23	49.826833	-25	-19.87667	396.000						Sculptoris
10192	SCR 1832-4217	PM red / white dwarf stars Subasavage 2005	M			18	32.9865	-42	-17.33833	396.173	0.4660	200.7000				
10193	33 Vul		K4III		−0.13	20	58.2725	22	19.555	397.000						Vulpeculae
10194	49 G. Sgr		A5V		0.75	18	17.401333	-28	-39.12167	397.000						Sagittarii
10195	HD 73171 (HIP 42452)		K1III:		0.48	8	39.294167	52	42.701667	397.000						Ursae Majoris
10196	HD 91437 (HIP 51610)		G6/G8III		0.48	10	32.560333	-44	-37.10667	397.000						Velorum
10197	213 G. Vir		K0		0.85	14	4.6241667	2	17.851667	398.000						Virginis
10198	gamma CMi	B	K3 III			7	28.16333	8	55.533333	398.000						Canis Minoris
10199	iota Tel	giant	K0 III		−0.55	19	35.216667	-48	-5.95	398.000					0.016	Telescopii
10200	kappa Ara	giant B C	G8 III		6.243	17	26.000728	-50	-38.01058	398.000	0.0106	30.1570	17.3			Arae
10201	phi 1 Cnc	giant	K5 III			8	26.461667	27	53.616667	398.000						Cancri
10202	RR UMi	variable star	M5III		−0.80	14	57.585333	65	55.943333	398.000						Ursae Minoris
10203	zeta Cap (Marakk)	B dwarf	G4 Ib	Ba2		21	26.6666	-22	-24.68333	398.000						Capricorni
10204	zeta PsA	41 G. Piscium Austrini.	K1III		0.99	22	30.895833	-26	-4.413333	399.000						Piscis Austrini
10205	12 tau		G6III:		0.1	3	39.852333	3	3.41	400.000						Tauri
10206	HD 3166 (HIP 2734)		K0		0.95	0	34.9235	13	22.276667	400.000						Piscium
10207	HIP 66435		K2III		0.05	13	37.184167	71	14.536667	400.000						Ursae Minoris
10208	HIP 95487 (HD 182761)	Star in Cluster	A0V		0.87	19	25.373333	20	16.306667	400.000						Vulpeculae
10209	HIP 97402 (HD 187193)		K0II-III		0.56	19	47.808333	25	23.046667	400.000						Vulpeculae
10210	rho 2 Ari 45	(red giant variable)	M SRB			2	55.80803	18	19.898383	400.000	0.0099	241.5460	46			Arietis
10211	RW Aur	(variable)	B-M		9.5 - 11.5	5	4.6	30	20	400.000						Aurigae
10212	Y CVn (HD 110914) (HIP 62223)	Carbon star	C-NS		4.8	12	42.8	45	43	400.000						Canum Venaticorum
10213	153 G. Sco		K2III		0.98	17	31.789333	-33	-42.185	401.000						Scorpii
10214	delta Sco	Dschubba, Al Jabba, Iclarkrau; gamma Cas variable	B0.2IV		−3.16	16	0.3335	-22	-37.29667	401.000						Scorpii
10215	HD 216187 (HIP 112924)		K0III		0.69	22	52.166333	-63	-11.31333	401.000						Tucanae
10216	2 Pup B		A0/A1V		1.57	7	45.479	-14	-41.16667	402.000						Puppis
10217	3 Vul	V377 Vul	B6III		−0.24	19	22.848	26	15.745	402.000						Vulpeculae

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
10218	38 G. Ser Cap		A3m		0.81	16	5.6321667	8	5.775	402.000						Serpentis
10219	57 G. Vir		G9III:		0.74	12	31.645667	-5	-3.16	402.000						Virginis
10220	65 Sgr		A0V		1.07	20	5.4388333	-12	-39.90333	402.000						Sagittarii
10221	SCR 1158-5103	PM Red & White dwarf stars Subasavage 2004	M			11	58.648333	-51	-3.53	402.689	0.5210	294.2000				
10222	112 G. Vir		K0		0.86	13	9.2378333	-9	-32.28667	403.000						Virginis
10223	194 G. Vir		K0		0.54	13	50.411167	5	29.833333	403.000						Virginis
10224	26 Psc		B9V		0.76	23	55.129667	7	4.2616667	403.000						Piscium
10225	48 G. PsA		K1III		1	22	38.745	-28	-44.89167	403.000						Piscis Austrini
10226	49 UMa		Am		−0.40	11	0.8413333	39	12.728333	403.000						Ursae Majoris
10227	HD 22695 (HIP 17058)		K0III		0.72	3	39.428833	16	32.206667	403.000						Tauri
10228	HD 63584 (HIP 37720)		A0IV/V		0.7	7	44.218333	-69	-49.29667	403.000						Volantis
10229	psi 3 Psc		G0III		0.11	1	9.82	19	39.503333	403.000						Piscium
10230	11 Sge		B9III		0.07	19	57.757333	16	47.346667	404.000						Sagittae
10231	268 G. Sgr		K4III		−0.70	20	3.5568333	-37	-56.43	405.000						Sagittarii
10232	HD 1183552 (HIP 96141)		Am		0.29	19	32.8965	-53	-11.13667	405.000						Telescopii
10233	HD 177693 (HIP 94054)		K1IV		0.97	19	8.8711667	-55	-43.20833	405.000						Telescopii
10234	SCR 0529-3950	PM red / white dwarf stars Subasavage 2005	M			5	29.6825	-39	-50.43	405.947	0.4060	57.1000				
10235	53 Sgr		A0V		0.85	19	39.824333	-23	-25.65667	406.000						Sagittarii
10236	HIP 77390 (HD 14048J)	B	A5	?	0.06	15	47.885	-65	-26.53167	406.000						Trianguli Australis
10237	lambda CMa	dwarf	B4 V			6	28.168333	-32	-34.8	406.000						Canis Majoris
10238	24 tau	component of the Alcyone system	A0V			3	47.348333	24	6.9666667	407.000						Tauri
10239	3 Sge		A0		1.36	19	24.7565	16	57.423333	407.000						Sagittae
10240	9 Psc		G7III		0.78	23	27.246167	1	7.3616667	407.000						Piscium
10241	upsilon 1 Cas	giant	K2 III			0	55.001667	58	58.366667	407.000	0.0302	298.3910	-23			Cassiopeiae
10242	48 Vir		F0V		1.14	13	3.9073333	-3	-39.78333	408.000						Virginis
10243	60 G. tau		A2Vs		0.18	4	34.138	5	34.118333	408.000						Tauri
10244	A2 Ser	PT Ser	B8III		−0.10	15	46.094167	-1	-48.24667	408.000						Serpentis
10245	HD 150275 (HIP 80850)		K1III		0.87	16	30.651333	77	26.751667	408.000						Ursae Minoris
10246	HD 53253 (HIP 33909)		A0V		0.95	7	2.258	-43	-24.23167	408.000						Puppis
10247	SCR 1559-4442	PM red / white dwarf stars Subasavage 2005	M			15	59.012333	-44	-42.205	408.553	0.4340	220.0000				
10248	eta tau (Alcyone)	B C D	B7 IIIe	A0 V, A0 V, F2 V		3	0.4845107	24	0.3082974	408.844	0.0305	151.1154	5.4			Tauri
10249	13 tau		B9Vn		0.19	3	42.315667	19	42.016667	409.000						Tauri
10250	134 G. Vir		A3V		0.77	13	20.6935	2	56.538333	409.000						Virginis
10251	16 G. Psc		G9III		0.9	23	5.2935	1	18.43	409.000						Piscium
10252	epsilon Tel	B	K0 III			18	11.23	-45	-57.27	409.000					0.016	Telescopii
10253	HD 66920 (HIP 39041)		A3III		0.84	7	59.263	-73	-14.64667	409.000						Volantis
10254	rho Sco		B2IV/V		−1.62	15	56.884833	-29	-12.84	409.000						Scorpii
10255	11 Cep		K1 III			21	41.921667	71	18.683333	410.000						Cephei
10256	23 Hya		K2 III			9	16.695	-6	-21.18333	410.000						Hydrae

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
10257	31 Cep		F3 III-IV			22	35.768333	73	38.583333	410.000						Cephei
10258	41 Com		K5 III			13	7.178333	27	37.483333	410.000						Comae Berenices
10259	63 Cyg		K4 Ib-IIa			21	6.6016667	47	38.9	410.000						Cygni
10260	alpha Aps		K2.5 III		-1.7	14	47.861812	-79	-2.69	410.000	0.0097	250.2000	-1.1			Apodis
10261	EN UMa	delta Sct variable	A7Vn		0.38	10	21.057167	68	44.863333	410.000						Ursae Majoris
10262	epsilon Col		K1 IIIa			5	31.216667	-35	-28.23333	410.000						Columbae
10263	HD 27611 (HIP 20341)		K3 III			4	21.451667		-5.883333	410.000						Eridani
10264	lambda Cen	giant	B9 III		-2.1	11	35.78	-63	-1.183333	410.000	0.0201	258.5240	-1			Centauri
10265	lambda Cyg		B5 Ve			20	47.408333	36	29.45	410.000						Cygni
10266	tau 3 Ser -15 (HD 139074)	(HD 139074)	G8 III			15	35.553837	17	39.333332	410.000	0.4550	260.2000	-22.3		0.057	Serpentis
10267	22 Pup		K0III		0.63	8	22.781167	-13	-3.28	411.000						Puppis
10268	55 Psc		F3V...		-0.14	0	39.925833	21	26.313333	411.000						Piscium
10269	HD 100615 (HIP 56510)		K0III		0.13	11	35.081667	54	47.123333	411.000						Ursae Majoris
10270	HD 102956 (HIP 57820)	b	K0III		0	11	51.383333	57	38.45	411.000				1	0.34	Ursae Majoris
10271	sigma Lib	(gamma Scorpii)	M4 III		1.9	15	4.0702979	-25	-16.91924	411.156	0.0495	243.0819	-3.9			Librae
10272	Mu2 Sco (Pipirima)		B2IV		−2.44	16	52.335708	-38	-1.0529	411.327	0.0129	206.6607	1.3			Scorpii
10273	SCR 0051-8441	PM Red & White dwarf stars Subasavage 2004	M			0	51.273667	-84	-41.98333	411.485	0.5020	77.2000				
10274	112 G. Psc		G5		0.98	1	11.482833	10	17.515	412.000						Piscium
10275	19 G. PsA		G8III		0.9	21	55.926667	-30	-36.35167	412.000						Piscis Austrini
10276	6 PsA		A2V		0.46	21	32.243	-33	-56.67667	412.000						Piscis Austrini
10277	HD 73971 (HIP 42777)		G8III		0.7	8	43.003167	46	54.06	412.000						Ursae Majoris
10278	HD 83564 (HIP 47521)		K1III-IV		0.99	9	41.279333	55	51.995	412.000						Ursae Majoris
10279	Xi2 Cen	(dwarfs) B	B1.5 V	F?		13	6.91	-49	-54.36667	412.000	0.0169	244.6530	14			Centauri
10280	Xi2 CMa	dwarf	A0 V			6	35.056667	-22	-57.88333	412.000						Canis Majoris
10281	2MASS J03442035-0641097	Star	M4.5			3	44.339175	-6	-41.16307	412.405	0.0035	212.8236				
10282	HD 70002 (HIP 40678)		K2III		0.08	8	18.289833	-35	-27.10167	413.000						Puppis
10283	HD 126218 (HIP 70469)		K0III			14	24.810393	-24	-48.37866	413.211	0.0332	251.8341	-22.55			Librae
10284	LHS 2914	PM	K1			14	25.393659	53	19.364446	413.342	0.3207	213.7841	-180.46			Boötis
10285	4 G. Sco		B5V		−0.14	15	53.898667	-24	-31.985	414.000						Scorpii
10286	HD 151623 (HIP 81428)		G9III		0.81	16	37.880167	78	55.113333	414.000						Ursae Minoris
10287	HD 176971 (HIP 93443)		A4V		0.92	19	1.8236667	22	15.863333	414.000						Vulpeculae
10288	sigma Psc		B9.5V		-0.02	1	2.8181667	31	48.26	414.000						Piscium
10289	218 G. Sgr		K0III		0.45	19	40.119167	-23	-25.74333	415.000						Sagittarii
10290	30 Psc	YY Psc	M3III		-1.15	0	1.9598333	-6	-0.838333	415.000						Piscium
10291	72 tau		B7V		0.01	4	27.290833	22	59.781667	415.000						Tauri
10292	HD 39937 (HIP 27737)		F7IV		0.41	5	52.336333	-57	-9.36	415.000						Pictoris
10293	HD 82419 (HIP 46594)		B8V		−0.08	9	30.0855	-51	-31.03167	415.000						Velorum
10294	HD 95509 (HIP 53811)		K3III		0.92	11	0.6055	-53	-6.711667	415.000						Velorum
10295	theta A Vir	B	A1 IVs	Am	-1.14	13	9.95	-5	-32.33333	415.000						Virginis
10296	4 tau		A0Vn		−0.39	3	30.408	11	20.188333	417.000						Tauri
10297	HD 175541 (HIP 92895)	b	G8IV		2.49	18	55.681333	4	15.92	417.000				1	0.38	Serpentis
10298	HD 63734 (HIP 38209)		K2III		0.96	7	49.68	-19	-30.32833	417.000						Puppis

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
10299	psi Vir	B (eclipsing)	M3 III Ca-1	F6		12	54.353333	-9	-32.33333	417.000						Virginis
10300	zeta tau giant	B	B4 IIIpe	G8 III		5	37.645	21	8.55	417.000						Tauri
10301	Eta2 Pic		M2III var		-0.76	5	4.9669055	-49	-34.67006	417.516	0.0399	91.8268	36.55			Pictoris
10302	HD 52703 (HIP 33774)		G8II/III		0.85	7	0.829	-33	-27.94333	418.000						Puppis
10303	HD 86166 (HIP 48861)		K0III		0.8	9	57.947333	45	24.863333	418.000						Ursae Majoris
10304	omicron (Mira)	giant B dwarf	Mira 9Var	B8	3.9 - 8.2	2	19.346545	-2	-58.65855	418.000	0.1395	177.5300	61.96			Ceti
10305	upsilon 1 Cen	subgiant	B2 IV-V		-1.66	13	58.68	-44	-48.21667	418.000	0.0206	232.2070	5			Centauri
10306	SCR 1637-4016	PM red / white dwarf stars Subasavage 2005	M			16	37.055833	-40	-16.00167	418.653	0.4440	234.2000				
10307	lambda Cnc	dwarf	B9.5 V			8	20.535	24	1.33333	419.000						Cancri
10308	18 Vul		A3III		−0.04	20	10.558667	26	54.248333	420.000						Vulpeculae
10309	alpha TrA	giant B?	K2 IIb-IIIa	?	-0.1	16	48.665	-69	-1.6667	420.000	0.2179	28.5000	-3		0.033	Trianguli Australis
10310	HD 49947 (HIP 32222)		G8III		0.81	6	43.612167	-73	-7.078333	420.000						Volantis
10311	HD 93427 (HIP 52877)		A1V		0.85	10	48.831	65	7.9483333	420.000						Ursae Majoris
10312	omaega 1 Aql 25	subgiant	F0 IV			19	17.816643	11	35.725317	420.000	0.0073	88.8650	-14.3			Aquilae
10313	upsilon 2 Cen	giant	F6 II		-1.34	14	1.723333	-45	-36.02167	420.000	0.0124	169.4760	-1			Centauri
10314	zeta CMi	giant	B8 II			7	51.7	1	46.016667	420.000						Canis Minoris
10315	14 G. tau		G5		0.56	3	39.9925	-1	-7.273333	421.000						Tauri
10316	145 G. Sco		K1III		0.36	17	22.912167	-37	-13.24167	421.000						Scorpii
10317	HD 225200 (HIP 345)		A1V		0.83	0	4.3383333	-29	-16.13	421.000						Sculptoris
10318	HD 97989 (HIP 55086)		K0III:		0.32	11	16.698833	49	28.576667	421.000						Ursae Majoris
10319	HD 99706 (HIP 55994)	b	K0		0	11	28.5	43	58	421.000				1	0.32	Ursae Majoris
10320	nu UMa Alula Borealis	B	K3 III Ba0.3	?	-2.47	11	18.478333	33	5.65	421.000	0.0272	52.0895	-9.63		0.02	Ursae Majoris
10321	upsilon 2 Cnc		G9 III			8	33.001667	24	5.0833333	421.000						Cancri
10322	122 G. Sco		A2IV		0.42	17	6.3366667	-37	-13.65167	422.000						Scorpii
10323	131 tau		A3Vn		0.16	5	47.219167	14	29.305	422.000						Tauri
10324	2 I Vel		B6V		−0.47	9	26.299667	-53	-22.73667	422.000						Velorum
10325	62 Vir		K0		1.17	13	20.334167	-11	-18.24667	422.000						Virginis
10326	HD 2358 (HIP 2178)		A5		0.87	0	27.517	16	1.5283333	423.000						Piscium
10327	HD 28867 (HIP 21251)	T Tau Star	B9IVn		0.68	4	33.550667	18	1.005	423.000						Tauri
10328	kappa UMa AlKaprah	B	A0 IV - V	A0 V	-1.99	9	3.625	47	9.4	423.000	0.0700		4.35			Ursae Majoris
10329	omaega 1 Sco	Jabhat al Akrab	B1V		−1.64	16	6.8071667	-20	-40.14833	423.000					0.011	Scorpii
10330	HD 100470 (HIP 56410)		K0III		0.81	11	33.939667	36	48.945	424.000						Ursae Majoris
10331	HD 50860 (HIP 33015)		B8V		0.9	6	52.785667	-43	-58.53667	424.000						Puppis
10332	HD 52362 (HIP 33590)		A0V		0.66	6	58.695667	-45	-46.055	424.000						Puppis
10333	V656 Her (HD 157049) (HIP 84833)	Long Period Variable candidate	M2 IIIab			17	20.31451	18	3.4242717	424.169	0.0322	171.4306	-45.66			Herculis
10334	10 G. Ser Cau		K0III		0.16	17	38.1585	-10	-55.575	425.000						Serpentis
10335	25 G. Sco		M2III		−0.23	16	8.1253333	-26	-19.6	425.000						Scorpii
10336	PR Pup	alpha2 CVn variable	A0p		0.14	7	14.767167	-46	-50.98	425.000						Puppis
10337	11 Sco		B9V		0.17	16	7.6073333	-12	-44.72	426.000						Scorpii
10338	27 G. Sco		B9V		0.28	16	8.7288333	-23	-41.12167	426.000						Scorpii
10339	HD 37329 (HIP 26571)		G9III		0.87	5	38.956	26	37.085	426.000						Tauri

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
10340	HD 92523 (HIP 52425)		K3III		−0.57	10	43.067333	69	4.575	426.000						Ursae Majoris
10341	VX Pyx	RS CVn variable	G8III		0.78	8	32.975167	-34	-38.04333	426.000						Pyxidis
10342	SCR 1455-3914	PM red / white dwarf stars Subasavage 2005	M			14	55.86	-39	-14.55333	426.146	0.7980	266.4000				
10343	HD 1187 (HIP 1288)		K2III		0.08	0	16.1465	-31	-26.78	427.000						Sculptoris
10344	SCR 0709-4648	PM red / white dwarf stars Subasavage 2005	M			7	9.6223333	-46	-48.97667	427.775	0.4130	10.4000				
10345	12 G. Sex		G9III		0.75	9	52.2		4.54	428.000						Sextantis
10346	49 G. tau		G8III-IV		0.17	4	20.6875	6	7.855	428.000						Tauri
10347	70 G. PsA		K1III		0.71	23	0.4096667	-25	-37.605	428.000						Piscis Austrini
10348	75 UMa		G8III-IV		0.48	12	30.070333	58	46.068333	428.000						Ursae Majoris
10349	HD 147349 (HIP 80455)		A1V		0.55	16	25.369167	-63	-7.515	428.000						Trianguli Australis
10350	HD 5641 (HIP 4558)		A2V		0.88	0	58.315	21	24.27	428.000						Piscium
10351	HD 63399 (HIP 37996)		K1III		0.87	7	47.243667	-36	-4.42	428.000						Puppis
10352	NZ Vel		B4IV		−0.41	8	39.960333	-53	-3.286667	428.000						Velorum
10353	HD 22382 (HIP 16531)		K0III		0.82	3	32.857667	-61	-1.02	429.000						Reticuli
10354	HD 4313 (HIP 3574)	b	G5D		2.23	0	45.672667	7	50.701667	429.000				1g	0.33	Piscium
10355	29 G. Ser Cau		A8V		0.69	18	17.402667	-9	-45.50833	430.000						Serpentis
10356	41 G. Ser Cap		K5III		0.33	16	8.9816667	3	27.266667	430.000						Serpentis
10357	83 G. Sco		A4V		0.61	16	43.761667	-41	-7.148333	430.000						Scorpii
10358	alpha Her Ras Algethi Rasalgethi	B	M5 II v	G5 III	-2.5	17	12.4	14	27	430.000	0.0300		-32.19			Herculis
10359	alpha Lup		B1			14	38.6	-47	-1	430.000	0.0300		7.24		0.057	Lupi
10360	alpha Mus		B3 IV			12	34.2	-68	-52	430.000	0.0400		17.7			Muscae
10361	IQ Vir	delta Sct variable	F0V		0.71	11	53.838333		33.126667	430.000						Virginis
10362	nu 2 Boö	dwarf B	A5 V		5.093	15	31.783028	40	53.95995	430.000	0.0118	312.6220	-16.6			Boötis
10363	tau 2 Ser -12	(HD 138527)	B9 V			15	32.161252	16	3.370133	430.000	0.0427	337.0000	-18			Serpentis
10364	tau Sco	Alniyat, Al Niyat	B0V		−2.78	16	35.882667	-28	-12.95833	430.000						Scorpii
10365	HD 108189 (HIP 60641)	PM	G6IV			12	25.676383	0	16.930676	430.952	0.0500	72.0722	-3.7			
10366	2 K Vel		B7/B8III		−0.34	9	18.098167	-51	-3.053333	431.000						Velorum
10367	HD 34579 (HIP 24820)		G8III+...		0.51	5	19.245167	20	8.08	431.000						Tauri
10368	31 Psc		A6V		0.72	0	2.4028333	8	57.41	432.000						Piscium
10369	37 G. Ser Cau		F1V		0.54	18	24.9535	-1	-34.765	432.000						Serpentis
10370	4 Sco		A3V		0.02	15	55.501667	-26	-15.955	432.000						Scorpii
10371	5 G. Ser Cap		K0		0.89	15	18.377		56.366667	432.000						Serpentis
10372	HD 81025 (HIP 46168)		G2III		0.69	9	24.927333	51	34.435	432.000						Ursae Majoris
10373	l Vir		M3III		−0.93	13	31.965833	-6	-15.34333	432.000						Virginis
10374	lambda 1 Scl		B9.5V		0.44	0	42.714833	-38	-27.80833	432.000						Sculptoris
10375	delta Sge A	B	M2II	B0V	−2.01	19	47.387775	18	32.058671	432.675	0.0038	277.4258	2.5			Sagittae
10376	30 G. Sco		B8V		−0.12	16	9.8768333	-33	-32.74167	433.000						Scorpii
10377	HD 49268 (HIP 31977)		K1IIICN...		0.88	6	40.959333	-71	-46.505	433.000						Volantis
10378	SDSS J093409.90+392759.3	White dwarf	DA			9	34.165177	39	27.987933	433.245	0.0041	45.0000	-135			
10379	118 tau		B9Vn		−0.15	5	29.274833	25	9.0183333	434.000						Tauri

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
10380	1SWASP J140747.93-394542.6	Super- Ringed Planet J1407b New Hellena	K5 IV			14	7.7988333	-39	-45.71167	434.000	0.0188	231.6441				Centauri
10381	2 Sco		B2.5Vn		−1.03	15	53.612167	-25	-19.625	434.000						Scorpii
10382	77 G. Sco		B9.5V+...		0.31	16	39.087333	-37	-13.035	434.000						Scorpii
10383	E Pup		A3p...		−0.32	7	12.263667	-40	-29.92667	434.000						Puppis
10384	HD 83869 (HIP 47633)		A1V		0.73	9	42.718667	48	25.863333	435.000						Ursae Majoris
10385	upsilon 2 tau (Kattupothu)	subgiant	B3 IV			4	15.535	8	53.53333	435.000						Tauri
10386	V4089 Sgr (201 G. Sgr)	Algol variable	A5IV-III		0.26	19	34.141333	-40	-2.078333	435.000						Sagittarii
10387	VZ PsA (49 G. PsA)		A0V		0.04	22	38.857667	-33	-4.883333	435.000						Piscis Austrini
10388	121 G. Sgr		K3III		0.46	18	58.355167	-31	-2.151667	436.000						Sagittarii
10389	4 Sgr		B9V		−0.89	17	59.792667	-23	-48.96	436.000						Sagittarii
10390	nu Sco	Jabbah, Jabah; quintuple star	B2IV		−1.63	16	11.995667	-19	-27.63833	436.000						Scorpii
10391	PW Tel	CVn variable	A0p		−0.04	19	33.3605	-45	-16.30167	436.000						Telescopii
10392	Y Pup		G8III		−0.58	6	38.627167	-48	-13.21333	436.000						Puppis
10393	9 tau		A2p		1.08	3	36.967167	23	12.666667	437.000						Tauri
10394	HAT-P-26	has a transiting planet (b)	K1		0	14	12.625833	4	3.6021667	437.000				1	0.35	Virginis
10395	OY Vel	CVn variable	Ap Si		−0.41	9	1.7428333	-52	-11.32333	437.000						Velorum
10396	136 tau		A0V		−1.08	5	53.327333	27	36.736667	438.000						Tauri
10397	3 UMi		A7V		0.79	14	6.9413333	74	35.625	438.000						Ursae Minoris
10398	HIP 69107		K0III		0.83	14	8.7698333	59	20.261667	438.000						Ursae Majoris
10399	73 UMa		M2III		0.03	12	27.5855	55	42.765	439.000						Ursae Majoris
10400	9 G. tau		G0		0.84	3	34.818333	6	25.063333	439.000						Tauri
10401	chi Psc		K0III		-0.99	1	11.453167	21	2.08	439.000						Piscium
10402	chi Sco		K3III		−0.41	16	13.8485	-11	-50.26333	439.000						Scorpii
10403	HD 74475 (HIP 42775)		A0V		0.77	8	42.950167	-35	-56.60167	439.000						Pyxidis
10404	HD 98499 (HIP 55412)		G8		0.55	11	20.895167	67	6.0516667	439.000						Ursae Majoris
10405	theta Car Vathorz Posterior	dwarf	B0V p			10	42.956667	-64	-23.66667	439.000	0.0200		23.34			Carinae
10406	PB 5179	White dwarf border line with Aquarii	DA			22	52.625642	1	12.036098	439.676	0.0109	259.1099	5			Piscium
10407	HD 141353 (HIP 77412)		K2III		0.33	15	48.221833	13	47.36	440.000						Serpentis
10408	M45 Pleiades		Cluster			3	47.166667	24	7.533333	440.000	0.2849	23.7000	5.41			Tauri
10409	pi Sgr	Al Baldah[1], Nir al Beldat, Lucida Oppidi[2]	F2II/III		−2.77	19	9.7638333	-21	-1.411667	440.000						Sagittarii
10410	209 G. Sgr		K0III		0	19	37.0555	-18	-13.86167	442.000						Sagittarii
10411	27 UMa		K0III		−0.51	9	42.954	72	15.161667	442.000						Ursae Majoris
10412	36 Psc		G8II-III		0.46	0	16.567667	8	14.411667	442.000						Piscium
10413	epsilon Cas Segin Navi		B3 IV			1	54.395	63	40.2	442.000	0.0400		-8.05			Cassiopeiae
10414	HD 215121 (HIP 112259)	B	F3V		0.63	22	44.274667	-60	-29.98	442.000						Tucanae
10415	HD 565 (HIP 798)		A6V		0.68	0	9.8683333	-62	-17.81	442.000						Tucanae
10416	pi Cet (Al Sadr al Ketus)		B7 V			2	44.123333	-13	-51.51667	442.000						Ceti
10417	L2 Pup (HD 56096) (HIP 34922)	Asymptotic Giant Branch Star (He-burning)	M5 III e		-0.6	7	13.538575	-44	-38.38269	442.399	0.1987	341.3024	53			Puppis
10418	sigma Cen	dwarf	B2 V		-1.75	12	28.04	-50	-13.83333	443.000	0.0202	249.0950	8			Centauri

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
10419	V766 tau	CVn variable	B9p Si		0.63	3	51.264333	13	2.7683333	443.000						Tauri
10420	104 Psc		K0		1.07	1	39.2565	14	17.138333	444.000						Piscium
10421	290 G. Sgr		K3III		0.79	20	20.8645	-35	-40.42333	444.000						Sagittarii
10422	86 UMa		A0V		0.03	13	53.850667	53	43.721667	444.000						Ursae Majoris
10423	HD 69976 (HIP 41060)		K0III		0.75	8	22.734333	60	37.875	444.000						Ursae Majoris
10424	HD 9228 (HIP 7016)		K2III		0.25	1	30.381333	-26	-12.47167	444.000						Sculptoris
10425	110 tau		A2IV		0.41	5	23.628667	16	41.961667	445.000						Tauri
10426	7 Ser		A0V		0.62	15	22.387333	12	34.051667	445.000						Serpentis
10427	HD 124730 (HIP 69373)		M2III		−0.50	14	12.0675	69	25.96	445.000						Ursae Minoris
10428	HD 26171 (HIP 19376)		B9.5V		0.26	4	9.026	13	23.898333	445.000						Tauri
10429	USNO-B1.0 0757-00057276	Star	M7gamma			4	35.242632	-14	-14.77753	445.691	0.0022	316.2079	16.16			
10430	chi Cen	(B Cephi variable)	B2 V			14	6.0466667	-41	-10.78333	446.000	0.0190	228.4670	12			Centauri
10431	HD 172223 (HIP 91662)		K3III		0.78	18	41.5115	-48	-5.665	447.000						Telescopii
10432	62 Sgr	V3872 Sgr; part of the Terebellum; irregular variable	M4III		−1.26	20	2.6576667	-27	-42.59333	448.000						Sagittarii
10433	98 G. Psc		K0III		0.7	0	51.305167	3	23.11	448.000						Piscium
10434	HD 1419 (HIP 1465)		K0III		0.38	0	18.287833	11	12.376667	448.000						Piscium
10435	TYC 3466-819-1 (HAT-P-3)	b Jupiter sized planet	K4		5.87	13	44.376582	48	1.7201667	448.760	0.0185	220.0566	-21.8	1g	0.34	Ursae Majoris
10436	ADS 16402 Lac, BD+37 4734p) (2MASS J22574592+43840272)	B, b	F8	G0V	3.4	22	57.7647	38	40.439833	450.000	0.0302	144.8725	-3.43	1	0.35	Lacertae
10437	gamma Crv (Genah)		B8 III		-3.1	12	13.2	-17	-16	450.000	0.1600		-4			Corvi
10438	HD 70442 (HIP 40944)		A3V		−0.12	8	21.353667	-20	-4.74	450.000						Puppis
10439	T 1 Tau	(irregular variable)	G4?		4 - 5	4	33.044167	19	20.235	450.000					0.107	Tauri
10440	tau 6 Ser -19 (HD 140027)		G8 III			15	40.985013	16	1.475283	450.000	0.1618	52.8000	3.4		0.107	Serpentis
10441	14 G. Sco		K2/K3III		0.37	16	2.6566667	-29	-8.146667	451.000						Scorpii
10442	91 G. Sgr		B2V		−0.84	18	44.322667	-35	-38.515	451.000						Sagittarii
10443	HW Vel	beta Cep variable	B5V		−0.25	8	39.397833	-53	-26.39	451.000						Velorum
10444	HD 16187 (HIP 12160)		K0		0.36	2	36.7175	31	36.46	452.000						Trianguli
10445	SCR 1913-1001	PM red / white dwarf stars Subasavage 2005	M			19	13.41	-10	-1.776667	452.536	0.5760	211.8000				
10446	HD 76230 (HIP 43593)		A0V		0.67	8	52.6805	-52	-7.736667	453.000						Velorum
10447	omega For		B9.5 V			2	33.845	-28	-13.95	453.000						Fornacis
10448	V1051 Sco (41 G. Sco)	SX Ari variable	B6IV		0.69	16	13.758333	-24	-25.32333	453.000						Scorpii
10449	105 Psc		K2III		0.26	1	39.6795	16	24.353333	454.000						Piscium
10450	261 G. Vir		K3III		0.46	14	51.001833		15.45	454.000						Virginis
10451	SCR 2317-5140	PM Red & White dwarf stars Subasavage 2004	M			23	17.148167	-51	-40.32333	454.165	0.4460	192.1000				
10452	10 G. Sco		B3V		0.11	15	57.6745	-20	-58.98167	455.000						Scorpii
10453	2M J044144	b	M8.5		0	4	41.748333	23	1.8566667	455.000				1	0.18	Tauri
10454	3 Sco	V927 Sco; SX Ari variable	B8III/IV		0.14	15	54.659	-25	-14.62	455.000						Scorpii
10455	49 G. Vir		K0		0.75	12	23.255833	-4	-58.46667	455.000						Virginis
10456	5 G. tau		G5		0.68	3	29.063333	3	14.921667	455.000						Tauri

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
10457	60 Psc		G8III		0.25	0	47.393667	6	44.458333	455.000						Piscium
10458	84 tau	V1146 Tau	M3III		0.55	4	31.119333	15	6.31	455.000						Tauri
10459	HIP 95582 (HD 182955)		M0III		0.12	19	26.478167	19	53.496667	455.000						Vulpeculae
10460	pi tau		G8III		−1.03	4	26.606333	14	42.831667	455.000						Tauri
10461	4 UMi		K3III		−1.13	14	8.8501667	77	32.846667	456.303	0.0261	42.8287	5.86			Ursae Minoris
10462	29 Psc	variable	B7III-IV		-0.36	0	1.824	-3	-0.351667	456.475	0.0123	117.2373	23			Piscium
10463	151 G. Sgr		K0III		0.66	19	12.467	-21	-39.5	457.000						Sagittarii
10464	82 Vir		M2III		−0.70	13	41.613833	-8	-42.185	457.000						Virginis
10465	HD 178845 (HIP 94398)		G8III		0.39	19	12.768333	-50	-29.17833	457.000						Telescopii
10466	HD 89414 (HIP 50635)		K3III:		0.28	10	20.519667	54	13.011667	457.000						Ursae Majoris
10467	HIP 93374 (HD 176776)		K1III		0.74	19	1.0905	19	18.576667	457.000						Sagittae
10468	nu Cnc	dwarf	A0 pSi			9	2.738333	24	27.166667	457.000						Cancri
10469	HD 64484 (HIP 38210)		B9V		0.04	7	49.683333	-66	-11.75833	458.000						Volantis
10470	5 G. Psc		K1III		0.53	22	57.546	3	48.61	460.000						Piscium
10471	HD 10588 (HIP 8086)		G8III-IV SB		0.57	1	43.835833	32	11.52	460.000						Trianguli
10472	HD 38871 (HIP 27243)	Red Giant Branch star	K0/K1II		−0.44	5	46.456167	-46	-35.83333	460.000						Pictoris
10473	kappa Sco (Girtab)	165 G. Sco; beta Cep variable	B2 IV		-3.38	17	42.488333	-39	-1.8	460.000	0.0300	194.0000	-9.66			Scorpii
10474	62 G. Sgr		K0III		0.39	18	25.361667	-35	-59.52167	461.000						Sagittarii
10475	88 Psc		G6III:		0.29	1	14.706667	6	59.711667	461.000						Piscium
10476	gamma Aql Tarazed Reda		K3 II		-3.03	19	46.259658	10	36.795	461.000	0.0093	348.9150	-2.8		0.02	Aquilae
10477	HD 101013 (HIP 56731)		K0p...		0.39	11	37.884167	50	37.096667	461.000						Ursae Majoris
10478	HD 129245 (HIP 71196)		K3III		0.52	14	33.643667	79	39.613333	461.000						Ursae Minoris
10479	SCR 1342-3544	PM red / white dwarf stars Subasavage 2005	M			13	42.0035	-35	-44.86	461.333	0.4880	283.4000				
10480	2MASS J16544682-3502540	RotV	M4			16	54.780514	-35	-2.903257	461.473	0.0173	206.6453	0.14			
10481	25 Psc		A1V		0.53	23	53.079167	2	5.4383333	462.000						Piscium
10482	46 G. Sco		B8V		0.3	16	14.890667	-25	-28.615	462.000						Scorpii
10483	HD 21051 (HIP 15850)		K0III-IV		0.27	3	24.1685	12	37.778333	462.000						Tauri
10484	tau 1 Ari	(giant eclipsing) B C	B5 IV	?		3	21.227075	21	8.8251667	462.000	0.0181	314.0510	13.9			Arietis
10485	theta Ret	double star; suspected variable	B+...		0.12	4	17.671167	-63	-15.33	462.000						Reticuli
10486	s Vel		B9		0	10	31.9575	-45	-4.003333	463.000						Velorum
10487	HD 133994 (HIP 73706)		A2Vs		0.45	15	3.9621667	65	55.183333	464.000						Ursae Minoris
10488	HD 29104 (HIP 21408)		G5II-III+...		0.56	4	35.7095	19	52.91	464.000						Tauri
10489	HD 75466 (HIP 43195)		B8V		0.52	8	48.004	-52	-51.01167	464.000						Velorum
10490	HD CCDM J05055+1948 (HD 32642) (HIP 23695)	B, C	A5m	?, ?	0.71	5	5.5351667	19	48.405	464.000						Tauri
10491	nu 3 CMa	B	K1 II-III	?		6	37.893333	-18	-14.25	464.000						Canis Majoris
10492	84 G. Sgr		B8III		0.01	18	38.512	-23	-30.29	465.000						Sagittarii
10493	beta Cma Murzim	(Murzim) (Beti Cephei var)	B1 III		-4.8	6	22.7	-17	-57.355	465.000	0.0020	262.2420	32.19		0.057	Canis Majoris
10494	phi Cen	subgiant	B2 IV		-1.93	13	58.271667	-42	-6.05	465.000	0.0180	230.0710	6			Centauri
10495	SCR 1613-3040	PM red / white dwarf stars Subasavage 2005	M			16	13.892833	-30	-40.98333	465.894	0.5220	216.7000				

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
10496	2 E Vel	HV Vel; CVn variable	B8 Si		0.01	8	35.867333	-50	-58.18	466.000						Velorum
10497	4 G. Ser Cau		K0II/III		0.7	17	27.164833	-15	-51.2	466.000						Serpentis
10498	50 G. PsA		K0/K1III		0.53	22	39.735333	-28	-19.53333	466.000						Piscis Austrini
10499	beta Sge		G8II		−1.39	19	41.048833	17	28.566667	466.000						Sagittae
10500	HD 28929 (HIP 21323)		B9p...		0.11	4	34.633167	28	57.671667	466.000						Tauri
10501	HD 69879 (HIP 40656)		K0III		0.65	8	17.971	-30	-0.221667	466.000						Puppis
10502	HD 85945 (HIP 48802)		G8III		0.19	9	57.226167	57	25.101667	466.000						Ursae Majoris
10503	3 Ser		K0III		−0.46	15	15.1895	4	56.361667	467.000						Serpentis
10504	13 Sco		B2V		−1.20	16	12.3035	-27	-55.57833	468.000						Scorpii
10505	66 G. Sco		B8V		−0.36	16	24.5295	-37	-33.95833	468.000						Scorpii
10506	FQ Ser		M4III		0.69	16	8.6088333	8	36.795	468.000						Serpentis
10507	HD 36734 (HIP 25887)		K3III		0.07	5	31.599833	-45	-55.525	468.000						Pictoris
10508	62 G. Psc		G9III:		0.53	0	5.0633333		30.175	469.000						Piscium
10509	F Pup		A0V		−0.55	7	18.558667	-39	-12.61833	469.000						Puppis
10510	HD 79524 (HIP 45242)		K2III		0.48	9	13.311333	-42	-16.40667	469.000						Velorum
10511	104 Her		M3 III			18	11.903333	31	24.316667	470.000						Herculis
10512	1RXS J160929.1-210524	b	K7V		7.17	16	9.5051667	-21	-4.96	470.000				1	0.37	Scorpii
10513	30 Gem		K0 III Cn1			6	43.988333	13	13.666666	470.000						Geminorum
10514	31 Cyg	B	A3	K2 II		20	13.6317	46	44.4833	470.000	0.0100		-19.31			Cygni
10515	32 G. Ser Cau		K3III		−0.41	18	20.146167	-15	-49.89667	470.000						Serpentis
10516	35 Cyg		F5 Ib			20	18.651667	34	58.966667	470.000						Cygni
10517	4 Cas		M1 III			23	24.838333	62	16.966667	470.000						Cassiopeiae
10518	57 Cam	OS UMa, RS CVn variable	G8III		−0.07	8	19.286333	62	30.428333	470.000						Ursae Majoris
10519	58 Leo		K1III CN			11	0.56	3	37.05	470.000						Leonis
10520	59 G. tau		G8III		0.21	4	33.803	9	24.816667	470.000						Tauri
10521	76 Gem		K5-5 III			7	44.115	25	47.05	470.000						Geminorum
10522	beta Mus		B2 V			12	43.2	-67	-50	470.000	0.0400		41.84			Muscae
10523	HD 157373 (HIP 84855)		F4 V			17	20.56	48	11.3	470.000						Herculis
10524	HD 27616 (HIP 20264)		A2 V			4	20.65	-20	-38.38333	470.000						Eridani
10525	kappa Cen	subgiant B	B2 IV		-2.6	14	59.161667	-42	-6.25	470.000	0.0161	219.7820	8.69			Centauri
10526	ksi Cyg		K4.5Ib-II			21	4.9316667	43	55.66666	470.000						Cygni
10527	nu Her		F2 II			17	58.503333	30	11.366667	470.000						Herculis
10528	phi Cyg		G8 III-IV			19	39.376667	30	9.2	470.000						Cygni
10529	pi 2 Dor		G8 III			6	25.476667	-69	-41.41667	470.000						Doradus
10530	upsilon Cet Aquae Abyssi Abyssus Aqueus	(Aquae Abyssi) B	K5	M0 III		2	0.0051317	21	4.6666667	470.000						Ceti
10531	HD 23950 (HIP 17921)	Star in Cluster	B8III		1.08	3	49.917667	22	14.655	470.646	0.0289	151.7172	4.1			Tauri
10532	SCR 2329-8758	PM Red & White dwarf stars Subasavage 2004	M			23	29.041167	-87	-58.10333	470.781	0.4290	111.6000				
10533	20 Vir		G8III		0.49	12	33.0485	10	17.74	471.000						Virginis
10534	99 tau		G8III:		−0.01	4	57.810833	23	56.915	471.000						Tauri
10535	IZ Vel		B5V		−0.24	9	1.348	-41	-51.85667	471.000						Velorum
10536	141 G. Vir		K1/K2III/IV		0.63	13	23.951833	-20	-55.47167	472.000						Virginis

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
10537	16 Pup		B5V		−1.41	8	9.0273333	-19	-14.7	472.000						Puppis
10538	210 G. Vir		K1III+...		0.54	14	4.45	-14	-58.3	472.000						Virginis
10539	24 Vul		G8III		−0.50	20	16.784667	24	40.268333	472.000						Vulpeculae
10540	27 G. Ser Cau		A4V		0.55	18	15.9655	-3	-37.07833	472.000						Serpentis
10541	72 UMa		Am		1.22	12	26.543333	55	9.565	472.000						Ursae Majoris
10542	HD 188485 (HIP 97961)		A0III		−0.25	19	54.517667	24	19.163333	472.000						Vulpeculae
10543	HD 31539 (HIP 23043)		K1III		−0.29	4	57.3725	17	9.2216667	472.000						Tauri
10544	HD 74196 (HIP 42535)		B7Vn		−0.24	8	40.2915	-53	-0.926667	472.000						Velorum
10545	HD 77087 (HIP 44130)		G8III		0.44	8	59.264167	-28	-48.365	472.000						Pyxidis
10546	18 Sex		K2III		−0.17	10	10.931	-8	-25.10167	473.000						Sextantis
10547	alpha Sge	Sham, Alsahm	G0II		−1.42	19	40.096333	18	0.8366667	473.000						Sagittae
10548	epsilon Sge		G8IIIvar		−0.14	19	37.289667	16	27.766667	473.000						Sagittae
10549	GSC 06214-00210	b	M1		0	16	21.916667	-20	-43.11667	473.000				1	0.22	Scorpii
10550	Kepler 438	b	M			18	46.583333	41	57.065	473.000				1	0.22	Lyrae
10551	LkCa15	Pre Main Protoplanetary Exoplanet	K5V			4	39.2966	22	21.058	473.000	0.0094	144.5445				Tauri
10552	43 G. tau		B9Vn		−0.59	4	14.604	10	0.6866667	474.000						Tauri
10553	SCR 0816-7727	PM Red & White dwarf stars Subasavage 2004	M			8	16.595	-77	-27.2	474.691	0.6760	325.4000				
10554	58 G. Sgr		A3III		0.33	18	22.002167	-28	-25.79667	475.000						Sagittarii
10555	HD 187614 (HIP 97573)		G8III		0.64	19	49.930167	27	5.11	475.000						Vulpeculae
10556	nu Cen	(rotating ellip. Bet. Ceph.)	B2 IV		-3.4	13	49.505	-41	-41.02623	475.000	0.0192	231.9200	8.85			Centauri
10557	HD 11928 (HIP 9132)		M2III		0.02	1	57.729	27	48.271667	476.000						Trianguli
10558	HD 110678 (HIP 62046)		K0		0.56	12	43.069833	61	9.3216667	477.000						Ursae Majoris
10559	HD 193579 (HIP 100276)		K5III		−0.01	20	20.356667	17	47.58	477.000						Sagittae
10560	HD 91356 (HIP 51560)		B4		0.21	10	31.944167	-45	-4.18	477.000						Velorum
10561	HD 24368 (HIP 18201)		A2V		0.52	3	53.574333	25	40.978333	478.000						Tauri
10562	V397 Pup	Algol variable	B9V		0.11	7	49.244167	-35	-14.59833	478.000						Puppis
10563	106 Vir		K5III		−0.41	14	28.6955	-6	-54.025	479.000						Virginis
10564	138 G. Psc		K0		0.6	2	4.8498333	7	44.14	479.000						Piscium
10565	150 G. Vir		K0III		0.58	13	29.249	-1	-21.85667	479.000						Virginis
10566	HD 83489 (HIP 47594)		G9III:		−0.11	9	42.248833	69	14.261667	479.000						Ursae Majoris
10567	HY Vel		B3IV		−1.01	8	42.4235	-53	-6.841667	479.000						Velorum
10568	omega Vir		M4III		−0.60	11	38.460167	8	8.0566667	479.000						Virginis
10569	delta Ant	B	B9.5	A0 V		10	29.589642	-30	-36.42	480.000	0.0171	175.2000	14			Antliae
10570	gamma UMi Pherkad	(Pherkad)	A3 lab		-1.5	15	20.728592	71	50.040967	480.000	0.0147	44.7266	-3.9			Ursae Minoris
10571	sigma Ari	dwarf	B7 V			2	51.493333	15	4.9166667	480.000						Arietis
10572	SCR 1608-4229	PM red / white dwarf stars Subasavage 2005	M			16	8.5795	-42	-29.63	480.881	0.4080	221.3000				
10573	31 Sex		K0		1.13	10	30.516	2	9.0183333	482.000						Sextantis
10574	5 Tri		A1m		0.39	2	11.416667	31	31.585	482.000						Trianguli
10575	omicron Ari	dwarf	B9 Vn			2	44.548333	15	18.7	482.000						Arietis
10576	V1141 tau		B8IV-V		0.15	4	23.539333	20	58.928333	482.000						Tauri

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
10577	KT Vel	CVn variable	B8...		−0.36	8	42.317	-53	-6.006667	483.000						Velorum
10578	Xi1 Cap	giant	K0 III			20	11.965	-12	-23.55	483.000						Capricorni
10579	1 y Vel		G8II		−0.35	9	38.023833	-43	-11.45167	484.000						Velorum
10580	207 G. Vir		K2/K3III		0.46	14	3.0696667	-17	-22.02	484.000						Virginis
10581	33 G. Sex		A2Vn		0.37	10	11.296	-7	-18.995	484.000						Sextantis
10582	8 Vul		K0III		−0.04	19	28.951333	24	46.121667	484.000						Vulpeculae
10583	kappa Cnc	giant	B8 IIIpMn			9	7.746667	10	40.083333	484.000						Cancri
10584	84 G. Sco		B6/B7V		0.28	16	43.9015	-41	-6.798333	485.000						Scorpii
10585	V336 Pup	alpha2 CVn variable	Ap Si		−0.35	8	2.7465	-41	-18.59167	486.000						Puppis
10586	HD 28217 (HIP 20804)		B8IV		0	4	27.4795	11	12.74	487.000						Tauri
10587	kappa Pyx		K4/K5III		−1.25	9	8.0476667	-25	-51.51167	487.000						Pyxidis
10588	V929 Sco (19 G. Sco)	SX Ari variable	B8V		0.03	16	6.1063333	-23	-36.375	487.000						Scorpii
10589	17 Vul		B3V		−0.80	20	6.89	23	36.865	488.000						Vulpeculae
10590	V913 Sco (11 G. Sco)	SX Ari variable	B5V		−0.45	15	58.581167	-24	-49.885	488.000						Scorpii
10591	SCR 1924-3356	PM red / white dwarf stars Subasavage 2005	M			19	24.805	-33	-56.17167	488.048	0.5490	146.2000				
10592	8 UMi		K0		0.95	14	56.805333	74	54.055	489.000						Ursae Minoris
10593	HD 133234	Star	K0III			15	3.3731433	0	53.379182	489.189	0.0184	222.2663	-68.28			
10594	47 Psc, TV	semiregular variable	M3IIIvar		-0.88	0	28.047333	17	53.585	490.000						Piscium
10595	58 G. Sco		K0III		0.4	16	19.1285	-20	-13.08167	490.000						Scorpii
10596	gamma Ret	semiregular variable, Vmax = +4.42m, Vmin = +4.64m, P = 25 d	M4III		−1.41	4	0.8968333	-62	-9.561667	490.000						Reticuli
10597	HR 6778 (HIP 89096)		K1III-IV		0.18	18	11.0735	-47	-30.78333	490.000						Telescopii
10598	omicron Vel	Xestus	B3IV		−2.31	8	40.2935	-52	-55.31833	490.000	0.0246	35.3389				Velorum
10599	theta Tuc	(subgiant delta Scuti var)	A7 IV			0	33.388333	-71	-15.97	490.000						Tucanae
10600	117 G. Sco		B8V		−0.86	17	1.8775	-32	-8.603333	491.000						Scorpii
10601	HD 72650 (HIP 41813)		K3III		0.45	8	31.492833	-54	-23.635	491.000						Velorum
10602	SCR 1220-4546	PM red / white dwarf stars Subasavage 2005	M			12	20.133	-45	-46.30333	491.306	0.7580	286.3000				
10603	56 UMa		G8II		−0.90	11	22.826833	43	28.965	492.000						Ursae Majoris
10604	87 G. Sco		B3V		−0.26	16	44.71	-40	-50.37667	492.000						Scorpii
10605	beta Psc	Fum al Samakah, Samaka	B6Ve		-1.42	23	3.8768333	3	49.205	492.000						Piscium
10606	Kepler 186	b,c,e,d,f (Earthlike planet to Red dwarf)	M1V			19	54.61085	43	18.301	492.000				5	0.7	Cygni
10607	108 G. Sgr		K1III		0.22	18	52.6175	-29	-22.77333	493.000						Sagittarii
10608	28 Vul		B5IV		−0.84	20	38.531833	24	6.9583333	493.000						Vulpeculae
10609	41 tau	GS Tau; CVn variable	B9p Si		−0.72	4	6.6066667	27	36.001667	494.000						Tauri
10610	43 G. Ser Cap		K4III		−0.51	16	9.8421667	-3	-28.00333	494.000						Serpentis
10611	HD 22615 (HIP 17026)		A4III		0.6	3	39.001	20	54.951667	494.000						Tauri
10612	theta Cnc	giant	K5 III			8	31.595	18	5.666667	494.000						Cancri
10613	SCR 1627-7337	PM Red & White dwarf stars Subasavage 2004	M			16	27.618833	-73	-37.10333	494.239	0.4390	235.8000				

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
10614	SCR 1739-8222	PM Red & White dwarf stars Subasavage 2004	M			17	39.7575	-82	-22.03833	494.239	0.4650	211.8000				
10615	125 tau		B3IV		−0.73	5	39.7365	25	53.828333	495.000						Tauri
10616	KQ Vel	CVn variable	A0p...		0.17	10	55.017333	-42	-15.065	495.000						Velorum
10617	56 G. Sco		B9V		0.2	16	20.543833	-39	-25.81333	496.000						Scorpii
10618	130 G. Pup		B9V		−0.23	7	36.732167	-48	-49.81	497.000						Puppis
10619	HD 3059 (HIP 2661)		K1III		−0.37	0	33.684333	-29	-33.49167	497.000						Sculptoris
10620	SDSS J093405.05+293420.9	White dwarf	DA			9	34.084475	29	34.349742	497.405	0.0234	254.4714				
10621	33 G. Vir		G8III:		0.45	12	5.9971667	-3	-7.893333	498.000						Virginis
10622	56 Cam		A7Vm		0.5	8	15.842	60	22.835	499.000						Ursae Majoris
10623	HD 138085 (HIP 75810)		G8III-IV		0.45	15	29.202333	16	23.728333	499.000						Serpentis
10624	87 Psc		B8III		0.04	1	14.1275	16	8.0133333	500.000						Piscium
10625	93 Cet		B7 III			3	2.375	4	21.1667	500.000						Ceti
10626	GQ Lup	(T Tauri Var)	K7V		-5	15	49.2024	-35	-39.007	500.000	0.0177	242.5924		1	0.16	Lupi
10627	HD 118536 (HIP 66385)		K1III		0.55	13	36.664833	49	29.201667	500.000						Ursae Majoris
10628	omicron And		B6 + A1		-2	22	59.6	42	3	500.000	0.0200		-13.68			Andromedae
10629	pi Lup	B	B5	?		15	5.1181	-47	-3.007	500.000						Lupi
10630	sigma 1 UMa		K5 III			9	8.393333	66	52.4	500.000					0.042	Ursae Majoris
10631	upsilon Aur	(variable giant)	M0 +III-Iib		6.386	5	0.0406341	37	0.3343023	500.923	0.0340	142.0798	37.67			Aurigae
10632	FW Vir		M3III		−0.25	12	38.374167	1	51.281667	501.000						Virginis
10633	HD 5418 (HIP 4382)		G8II		0.53	0	56.152	13	57.118333	501.000						Piscium
10634	HD 55151 (HIP 34270)		K0III		0.54	7	6.2383333	-68	-50.255	501.000						Volantis
10635	12 Mus	RSCVn	G5/8IIIp+A0/1V			11	39.493228	-65	-23.86598	501.231	0.0169	255.6582	9.1			Muscae
10636	11 Pup		F7/F8II		−1.74	7	56.859333	-22	-52.80833	502.000						Puppis
10637	150 G. Sgr		B8/B9V		0.34	19	11.313333	-29	-30.135	502.000						Sagittarii
10638	40 G. tau		B8Vn		0.3	4	13.575833	10	12.751667	502.000						Tauri
10639	iota And		B8 V			23	38.136667	43	16.08	503.000						Andromedae
10640	HD 135384 (HIP 74272)		A8Vn		0.23	15	10.74	67	46.863333	504.000						Ursae Minoris
10641	CCDM J05371+2656 (HD 37098) (HIP 26396)	B	B9IV-V	?	0	5	37.147333	26	55.471667	504.334	0.0153	149.9393	9.7			Tauri
10642	1 CVn		K0III:		0.23	12	14.723833	53	26.08	505.000						Ursae Majoris
10643	14 Sgr		K2III		−0.46	18	14.265167	-21	-42.78667	505.000						Sagittarii
10644	147 G. Sco		Ap...		0.19	17	25.0445	-34	-41.76	505.000						Scorpii
10645	68 Vir		K5III		−0.68	13	26.720667	-12	-42.45667	505.000						Virginis
10646	Chi3 Sgr		K3III		−0.50	19	25.4945	-23	-57.745	505.000						Sagittarii
10647	HD 64042 (HIP 38316)		B9.5V		0.48	7	51.001333	-24	-31.71	505.000						Puppis
10648	HD 73952 (HIP 42400)		B8Vn		0.5	8	38.747167	-53	-5.426667	505.000						Velorum
10649	HD 71176 (HIP 41260)		K4/K5III		−0.64	8	25.062667	-24	-2.775	506.000						Puppis
10650	21 G. Ser Cau		G8IIp		0.36	18	6.124		26.766667	507.000						Serpentis
10651	LN Vir		M0III		−0.32	13	14.520667	11	19.906667	507.000						Virginis
10652	y Vir		A0V		−0.04	13	34.674667	-13	-12.85833	507.000						Virginis
10653	HD 203886 (HIP 105689)		K0III		0.39	21	24.385167	24	31.705	508.000						Vulpeculae
10654	lambda PsA		B7V		−0.51	22	14.312333	-27	-46.015	508.000						Piscis Austrini

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
10655	nu 2 Ara	giant	B9.5 III-IV			17	51.183333	-53	-7.833333	508.000						Arae
10656	phi UMa		A3 IV		-1.08	9	52.106667	54	3.866667	508.268	0.0117	17.3881	-14.7			Ursae Majoris
10657	zeta Scl		B4V		−0.93	0	2.3318333	-29	-43.22667	509.000						Sculptoris
10658	13 G. Ser Cau		B9V		−0.04	17	47.613167	-14	-43.54667	510.000						Serpentis
10659	beta CrA	giant				19	10.029282	-39	-20.44777	510.000	0.0217	170.9020	2.7			Coronae Australis
10660	HD 86378 (HIP 49005)		K5III		−0.47	9	59.862	56	48.713333	510.000						Ursae Majoris
10661	pi Sgr (Allbaldah)	B Gamma?	B8.5 III	?	-0.7	19	19.276	-21	-0.01667	510.000	0.0212	182.1368	-9.8			Sagittae
10662	Winnecke 4	Messier 40; optical double star			3	12	22.208333	58	4.9833333	510.000						Ursae Majoris
10663	HD 160520	PM	K0			17	37.237057	55	44.463725	510.658	0.0379	54.9123	-8.64			
10664	257 G. Vir		M1III		0.08	14	45.195667	-1	-25.05167	511.000						Virginis
10665	HD 143567 (HIP 78530)	b	B9V		0	16	1.9166667	-21	-58.81667	511.000				1	0.23	Scorpii
10666	HD 87030 (HIP 49052)		K0III		0.52	10	0.5763333	-56	-56.77	511.000						Velorum
10667	SCR 2101-5437	PM Red & White dwarf stars Subasavage 2004	M			21	1.7626667	-54	-37.52833	511.506	0.6670	241.5000				
10668	183 G. Vir		K5III		0.06	13	47.223333	-9	-42.56167	512.000						Virginis
10669	iota Aur (Al Kab) Kabdhilinan	(giant variable)	K3 II		4.245	4	56.993645	33	9.9654167	512.000	0.0110	281.0780	17.5			Aurigae
10670	184 G. Sco		A0IV/V		0.29	17	57.963333	-39	-8.188333	513.000						Scorpii
10671	HD 190322 (HIP 98772)		K2		0.46	20	3.6468333	22	56.465	513.000						Vulpeculae
10672	HD 79025 (HIP 44979)		A9Vn		0.49	9	9.75	-49	-25.45833	513.000						Velorum
10673	HD 80774 (HIP 45814)		K3/K4III		0.05	9	20.494667	-37	-34.89833	513.000						Velorum
10674	126 G. Sgr		B4V		−0.48	18	59.396667	-12	-50.42833	514.000						Sagittarii
10675	14 Ser		G8III+...		0.52	15	36.562		33.688333	514.000						Serpentis
10676	75 G. Sex		K2		−0.04	10	51.090667	-3	-5.558333	514.000						Sextantis
10677	HD 191814 (HIP 99445)		K0		0.25	20	11.058833	21	8.07	514.000						Sagittae
10678	HD 74604 (HIP 43266)		B8V		0.21	8	48.821333	66	42.49	514.000						Ursae Majoris
10679	HD 92095 (HIP 52136)		K3III		−0.44	10	39.095667	53	40.11	514.000						Ursae Majoris
10680	HD 96224 (HIP 54185)		B9V		0.12	11	5.069	-49	-23.54	514.000						Velorum
10681	zeta Cae		K1 IV			4	47.826667	-30	-1.216667	514.000						Caeli
10682	tau Leo		G8 IIIa			11	27.937334	2	51.376042	514.822	0.0116	124.7075	-8.82			Leonis
10683	137 tau	V809 Tau; CVn variable	B9p...		−0.39	5	52.371667	14	10.308333	515.000						Tauri
10684	gamma 2 For (HIP 13202)		A0 V			2	49.903036	-27	-56.51872	516.045	0.0300	293.9824	24			Fornacis
10685	163 G. Sgr		K4III		0.09	19	19.0025	-15	-32.15333	517.000						Sagittarii
10686	57 G. PsA		G8III		0.31	22	47.9355	-25	-54.705	517.000						Piscis Austrini
10687	6 G. tau		G8III		−0.07	3	30.756667	6	11.325	517.000						Tauri
10688	HR 6403 (HD 5042)		K0III		0.44	1	4.5435	-33	-31.96667	517.000						Sculptoris
10689	HD 66598 (HIP 39380)		K2/K3III		−0.18	8	3.0695	-32	-27.815	518.000						Puppis
10690	HD 81411 (HIP 46114)		A6/A7III		0.04	9	24.271333	-39	-25.52667	518.000						Velorum
10691	upsilon Sco	Lesath, Lesuth	B2IV		−3.31	17	30.764	-37	-17.745	518.000						Scorpii
10692	7 tau		A3V		−0.06	3	34.443667	24	27.868333	519.000						Tauri
10693	HD 71815 (HIP 41572)		A1/A2V		0.49	8	28.601	-23	-4.258333	519.000						Pyxidis
10694	alpha Ori (Betelgeuse)	(red giant variable)	M2 Ia		-5.6	5	55.1718	7	24.4238	520.000	0.1550	69.0000	21			Orionis
10695	HD 177365 (HIP 93860)		B9V		0.28	19	6.9135	-50	-19.38333	520.000						Telescopii

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
10696	tau 4 Ser -17	(HD 139216)	M5 II-III (var)			15	36.469788	15	6.09	520.000	0.0590	340.3000	-26			Serpentis
10697	WASP-16	b	G3V			14	18.732	-20	-16.53	520.000	1.7000	9.3982	-0.0085505			Virginis
10698	zeta Oph		O9 e			16	34.4	-10	-28	520.000	0.0200		-18.51			Ophiuchi
10699	HD 79694 (HIP 45314)		B6IV		−0.17	9	14.137167	-44	-8.751667	521.000						Velorum
10700	1 Sco		B1.5Vn		−1.39	15	50.979167	-25	-45.07333	522.000						Scorpii
10701	11 tau		A2IV		0.09	3	40.771667	25	19.771667	522.000						Tauri
10702	132 tau		G8IIIvar		−1.14	5	49.016	24	34.053333	522.000						Tauri
10703	epsilon Sct		G8II		−1.14	18	43.520667	-8	-16.515	522.000						Scuti
10704	HD 37781 (HIP 26515)		A0V		0.41	5	38.290333	-50	-38.46167	522.000						Pictoris
10705	HIP 4520		G8III		0.28	0	57.908667	13	41.753333	522.000						Piscium
10706	theta Pyx		M0III		−1.31	9	21.493333	-25	-57.925	522.000						Pyxidis
10707	TX Pic	RS CVn variable	K2III		0.08	5	36.0475	-47	-18.82333	522.000						Pictoris
10708	73 G. Ser Cau		G8III		0.11	18	56.426667	2	28.271667	523.000						Serpentis
10709	EP Vir	CVn variable	A0spe...		0.28	12	47.038167	5	57.03	523.000						Virginis
10710	HD 10348 (HIP 7906)		K0III		−0.06	1	41.654	30	2.8283333	523.000						Trianguli
10711	SCR 2151-8604	PM Red & White dwarf stars Subasavage 2004	M			21	51.626	-86	-4.556667	523.235	0.4540	192.7000				
10712	2 Lac		B6V			22	21.025774	46	32.193937	523.390	0.0133	277.1923	-9.5			Lacertae
10713	1 Lep		K1IV		-0.29	5	2.749	-22	-47.71	524.000						Leporis
10714	M44 Beehive Cluster		Cluster			8	37.5	19	52	525.000	0.0370	249.0000				
10715	HD 85951 (HIP 48615)	PM	K5III			9	54.87	-19	-0.566667	525.044	0.0365	229.0608	50			Hydrae
10716	HD 101391 (HIP 56944)		B9p...		0.31	11	40.457333	57	58.221667	526.000						Ursae Majoris
10717	17 Sex		A1V		−0.13	10	10.126	-8	-24.49	527.000						Sextantis
10718	19 Sex		K0III:		−0.27	10	12.8065	4	36.881667	527.000						Sextantis
10719	delta Per Adid Borealis		B5 III			3	42.925	47	47.25	527.000	0.0500		8.85			Persei
10720	HD 172348 (HIP 91532)		K4III		−0.22	18	40.006667	-7	-47.44167	527.000						Scuti
10721	HD 174005 (HIP 92296)		A2		0.45	18	48.658167	-6	-0.263333	527.000						Scuti
10722	tau Aql	giant	K0 III			20	4.138333	7	16.683333	527.000						Aquilae
10723	upsilon PsA	Extreme oval galactic orbit	K4 III			22	8.0426212	-34	-37.62333	528.000						Piscis Austrini
10724	HD 169405 (HIP 90414)		K0/K1III+..		−0.61	18	26.900167	-48	-7.026667	529.000						Telescopii
10725	beta Sco	(Graffias) B C D E F	B0.5 V		-3.5	16	5.445	-19	-48.333	530.000	0.0270	195.2000	-1			Scorpii
10726	delta Ret	suspected variable	M2III		−1.50	3	58.745667	-61	-24.00833	530.000						Reticuli
10727	epsilon Nor	B, C	B3V	B3V, B9V		16	27.183935	-47	-33.28704	530.000	0.0140	214.5195	-12.5			Normae
10728	33 tau	V817 Tau	B9.5IV		−0.01	3	57.063333	23	10.535	531.000						Tauri
10729	6 G. Sco		B7V		0.09	15	54.502	-27	-20.315	531.000						Scorpii
10730	70 G. Sex		M2III		−0.14	10	48.676167	-1	-57.535	531.000						Sextantis
10731	lambda Tel		A0 V			18	58.461667	-52	-56.31667	531.000						Telescopii
10732	233 G. Vir		K0		0.41	14	16.8125	-8	-53.06667	532.000						Virginis
10733	HD 35765 (HIP 25317)		K1III		0.03	5	24.926333	-44	-13.54167	532.000						Pictoris
10734	HD 87652 (HIP 49394)		B8/B9III		0.17	10	5.031	-51	-18.81833	532.000						Velorum
10735	46 Psc		K0		0.33	0	27.974667	19	30.845	533.000						Piscium
10736	HD 190879 (HIP 99270)		K5III		0.39	20	9.0635	-47	-4.066667	533.000						Telescopii
10737	271 G. Vir		K0III		0.09	15	7.672	5	29.885	534.000						Virginis

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
10738	HD 179886 (HIP 94712)		K3III		−0.69	19	16.362333	-45	-27.96333	534.000						Telescopii
10739	theta Pic		A0V		0.19	5	24.7715	-52	-18.97	534.000						Pictoris
10740	HD 141712	Star	K0			15	48.223226	50	57.273207	534.975	0.0175	216.0577	-23.03			
10741	43 Psc		K0		0.4	0	24.635833	14	18.931667	535.000						Piscium
10742	43 Sgr		K0III		−1.20	19	17.634833	-18	-57.17333	535.000						Sagittarii
10743	alpha1 Cap (Algiedi) Prima Giedi Algiedi Prima	(Prima Giedi)	G3 Ib			20	31.558862	-12	-34.27053	536.738	0.0119	113.6246	6.28		0.057	Capricorni
10744	HD 204428 (HIP 105891)		B7 III			21	26.75	52	53.916667	537.540	0.0095	287.1185	-30.3			Cygni
10745	9 Cyg	B	F8 III	A0 V		19	34.848333	29	27.783333	538.000						Cygni
10746	HD 116594 (HIP 65417)		K0III		0.35	13	24.509	12	25.905	538.000						Virginis
10747	HD 61750 (HIP 37375)		K2		0.34	7	40.350333	-11	-45.15167	538.000						Puppis
10748	HD 15821	Star	G6/8IV			2	32.702192	1	2.021165	538.512	0.0121	89.6777	-11.17			
10749	HD 203206 (HIP 105344)		B6IV		0.2	21	20.2345	22	1.57	539.000						Vulpeculae
10750	5 Lac	B	M2III	B8V		22	29.53	47	42.416667	540.000						Lacertae
10751	7 Com		G8 III			12	16.341667	23	56.716667	540.000						Comae Berenices
10752	beta Lup		B2 IV			14	55.2	-42	-56	540.000	0.0700		0			Lupi
10753	epsilon Per	giant (Adid Australis)	B1 V		-3.7	3	57.85333	40	0.616667	540.000	0.0400		-1.61		0.057	Persei
10754	HD 209945 Lac		K5 III			22	6.03333	45	0.8666667	540.000						Lacertae
10755	mu Lib		A1pSr			14	49.3183	-14	-8.93	540.000						Librae
10756	NZ Gem (HD 61913) (HIP 37521)		M3 II-III			7	42.053333	14	12.5	540.000						Geminorum
10757	296 G. Sgr		G8II/III		−0.24	20	25.447	-28	-39.79667	541.000						Sagittarii
10758	sigma Vir	giant	M1 III			13	17.605	5	28.183333	541.000						Virginis
10759	X Tri		A7V		2.76	2	0.562	27	53.321667	541.000						Trianguli
10760	SCR 1241-4717	PM red / white dwarf stars Subasavage 2005	M			12	41.552167	-47	-17.09833	541.480	0.4280	257.9000				
10761	166 G. Sco		K5III		−0.57	17	42.8515	-36	-56.73	542.000						Scorpii
10762	230 G. Vir		A1V		0.05	14	16.503	-3	-11.77333	542.000						Virginis
10763	ET Vir		M1III		−1.17	14	10.841333	-16	-18.12	542.000						Virginis
10764	SCR 0740-0540	PM red / white dwarf stars Subasavage 2005	M			7	40.926667	-5	-40.63167	542.131	0.4670	151.1000				
10765	HD 194577 (HIP 100754)		G6III		−0.43	20	25.675333	21	24.58	543.000						Vulpeculae
10766	HD 83126 (HIP 47401)		K5		−0.15	9	39.465333	67	16.34	543.000						Ursae Majoris
10767	24 Psc		G9III	?	0	23	52.926057	-3	-9.328911	543.027	0.0500	119.5143	-7.46			Piscium
10768	HD 89062 (HIP 50241)		K4III		−0.52	10	15.525833	-43	-6.735	544.000						Velorum
10769	228 G. Sgr		B8III		−0.61	19	46.020333	-31	-54.51167	545.000						Sagittarii
10770	42 Psc		K3III		0.13	0	22.424167	13	28.946667	545.000						Piscium
10771	lambda Vel	(variable)	K4.5 Ib-II		-3.99	9	7.996667	-43	-25.95	545.000	0.0160	60.6162	18.4		0.042	Velorum
10772	SDSS J142434.61+242411.2	Star	M6V			14	24.577209	24	24.187021	545.729	0.0280	269.9964	8			
10773	134 G. Sgr		A0V		−0.63	19	4.4176667	-31	-2.821667	546.000						Sagittarii
10774	11 G. Psc		K4III		-0.27	23	0.715	3	0.72	547.000						Piscium
10775	183 G. Sco		M0III		−1.24	17	57.796833	-41	-42.975	547.000						Scorpii
10776	epsilon Cnc Beehive Cluster	(Beehive Cluster)	A8 Vn			8	40.45	19	32.7	548.000						Cancri

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
10777	eta Scl		M2/M3III		−1.27	0	27.9285	-33	-0.423333	548.000						Sculptoris
10778	HD 93563 (HIP 52742)		B8/B9III		−0.99	10	46.958167	-56	-45.43167	548.000						Velorum
10779	SCR 1843-7849	PM Red & White dwarf stars Subasavage 2004	M			18	43.595167	-78	-49.04333	548.647	0.7450	194.9000				
10780	83 UMa	IQ UMa	M2IIIvar		−1.50	13	40.738167	54	40.9	549.000						Ursae Majoris
10781	HD 48797 (HIP 32208)		A8:+...		0.17	6	43.389167	-39	-11.585	549.000						Puppis
10782	HD 170873 (HIP 91062)		K2III		0.08	18	34.518833	-52	-53.485	550.000						Telescopii
10783	SCR 1958-5609	PM Red & White dwarf stars Subasavage 2004	M			19	58.521333	-56	-9.176667	550.928	0.4940	161.9000				
10784	HD 89461 (HIP 50480)		B9V		−0.17	10	18.471167	-41	-40.11	551.000						Velorum
10785	PU Pup (128 G. Pup)	beta Lyr variable	B8IV		−1.45	7	38.300833	-25	-21.88667	551.000						Puppis
10786	SCR 2046-4321	PM red / white dwarf stars Subasavage 2005	M			20	46.457667	-43	-21.105	551.905	0.4050	173.4000				
10787	HD 56410 (HIP 35054)		B4III/IV		−0.19	7	14.9525	-41	-25.585	552.000						Puppis
10788	40 Psc		K0		0.45	0	19.938	16	15.053333	553.000						Piscium
10789	96 Vir		G8III		0.3	14	9.01	-10	-20.07667	554.000						Virginis
10790	HD 79621 (HIP 45270)		B9V		−0.23	9	13.574667	-47	-20.30667	554.000						Velorum
10791	43 LMi	PM	sgK1			10	48.953812	29	24.963414	554.308	0.0519	244.3297	9.28			Leonis Minoris
10792	HD 136643 (HIP 75125)		K0		0.2	15	21.115	24	57.483333	555.000						Serpentis
10793	SCR 1756-5927	PM Red & White dwarf stars Subasavage 2004	M			17	56.465667	-59	-27.3	555.815	0.5370	210.0000				
10794	SDSS J120952.78+073330.3	White dwarf	DA			12	9.8796953	7	33.504972	555.973	0.0213	139.9539				
10795	44 Lyn		M3III		−1.07	9	46.527667	57	7.68	556.000						Ursae Majoris
10796	50 Sgr		K1/K2III		−0.59	19	26.318833	-21	-46.60167	556.000						Sagittarii
10797	98 G. Pup		B3V		−0.75	7	29.095167	-38	-48.72667	556.000						Puppis
10798	z Vel		B4V+...		−0.92	9	14.408333	-43	-13.65167	556.000						Velorum
10799	SCR 1338-5622	PM Red & White dwarf stars Subasavage 2004	M			13	38.802167	-56	-22.34333	556.141	0.5470	260.6000				
10800	HD 5771 (HIP 4563)		Am		0.07	0	58.369667	-60	-41.77833	557.000						Tucanae
10801	HD 6966 (HIP 5483)		M0III		-0.09	1	10.1905	15	40.438333	557.000						Piscium
10802	iota Vol	subgiant	B7 IV		−0.76	6	51.45	-70	-57.8	558.000						Volantis
10803	129 G. Sgr		K0III		0.14	19	1.5586667	-15	-16.95667	559.000						Sagittarii
10804	kappa Lep		B7V		-1.81	5	13.2315	-12	-56.48	559.000						Leporis
10805	82 Psc		F0V		-1.03	1	11.112833	31	25.486667	560.000						Piscium
10806	HD 64181 (HIP 38292)		G6III		0.27	7	50.708667	-44	-34.79833	561.000						Puppis
10807	HD 68862 (HIP 40220)		A3V		0.22	8	12.859333	-37	-55.46833	561.000						Puppis
10808	Mu-1 Cnc 9	(variable)	Mira			8	6.3065	22	38.13	561.000	0.0068	309.4480	26.2			Cancri
10809	SDSS J093356.39+102215.6	White dwarf	DAP			9	33.93982	10	22.263783	563.668	0.0435	157.2143	-216			
10810	CCDM J15432+1340 (HD 76985) (HIP 76985)	B	G5III	?	0.05	15	43.175667	13	40.065	564.645	0.0231	211.6982	-5.8			Serpentis
10811	116 tau		B9.5Vn		−0.67	5	27.760167	15	52.446667	565.000						Tauri
10812	153 G. Sgr		K3III		−0.68	19	13.258667	-12	-16.95	565.000						Sagittarii
10813	26 G. tau		B5V		−0.52	4	1.7688333	9	59.881667	565.000						Tauri

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
10814	30 tau		B3V		−1.11	3	48.270833	11	8.6016667	565.000						Tauri
10815	HD 81034 (HIP 45924)		M3Ib		−0.63	9	21.849	-42	-11.685	565.000						Velorum
10816	HD 144889 (HIP 78985)		K4III		−0.05	16	7.3698333	21	49.363333	566.000						Serpentis
10817	HD 61453 (HIP 37128)		K4III		0.18	7	37.7505	-38	-0.635	566.000						Puppis
10818	HD 96834 (HIP 54537)		M2III		−0.31	11	9.6425	43	12.465	566.000						Ursae Majoris
10819	SCR 1442-4810	PM Red & White dwarf stars Subasavage 2004	M			14	42.2765	-48	-10.84667	566.240	0.5070	248.0000				
10820	71 G. Sgr		B8III/IV		−0.01	18	27.941333	-17	-48.02167	567.000						Sagittarii
10821	84 G. Psc (HD 2023)		K2III		-0.02	0	24.494167	-2	-13.14375	567.457	0.0314	219.3764	14.55			Piscium
10822	36 G. PsA		K1II/III		−0.07	22	16.624	-25	-53.88833	568.000						Piscis Austrini
10823	47 Ser	FS Ser	M3.5IIIa		−0.52	16	8.468	8	32.06	568.000						Serpentis
10824	HD 95233 (HIP 53798)		G9III		0.2	11	0.4263333	51	30.128333	568.000						Ursae Majoris
10825	HD 92328 (HIP 52112)		Am+...		−0.11	10	38.838833	-42	-45.205	569.000						Velorum
10826	19 G. Ser Cau		B8III-IV		−0.37	18	6.1233333	-8	-19.435	570.000						Serpentis
10827	61 Ser		A4III		−0.28	18	31.949833	-1	-0.178333	570.000						Serpentis
10828	delta Cru	(South Cross Star)	B2 IV			12	12.5	-58	-28	570.000	0.0222	253.7090	24.94			Crucis
10829	eta Lup	B ?	B2 V			15	56.8	-38	-15	570.000	0.0400		6.44			Lupi
10830	gamma Lup		B2 V			15	31.8	-41	0	570.000	0.0400		5.63			Lupi
10831	HD 81136 (HIP 45962)		G6/G8III		−0.47	9	22.4	-46	-2.85	570.000						Velorum
10832	kappa Vel	Markab, B	B2IV		−3.62	9	22.113833	-55	-0.641667	570.000	0.0094	44.7000	21.9			Velorum
10833	pi Aql	B C	F2 V	A, ?	6.4	19	48.702267	11	48.950833	570.000	0.0133	334.1060	13.6			Aquilae
10834	zeta Ara		K5 III		1	16	58.620195	-55	-59.40845	570.000	0.0231	242.5780	-6		0.042	Arae
10835	13 G. Psc		G5		0.22	23	1.726	3	31.861667	571.000						Piscium
10836	HD 187961 (HIP 96417)		B9sp...		0.11	19	36.139167	22	35.146667	571.000						Vulpeculae
10837	HD 219912 (HIP 115178)		K2III		0.13	23	19.718667	-33	-42.47833	572.000						Sculptoris
10838	HIP 377 (HD 225253)		B8III		−0.63	0	4.6875	-71	-26.21167	572.000						Tucanae
10839	HIP 96601 (HD 185436)	Star in Cluster	K0III		0.28	19	38.2965	20	47.008333	572.000						Vulpeculae
10840	HD 65638 (HIP 38925)		K0III		0.24	7	57.913167	-40	-47.06167	573.000						Puppis
10841	SCR 0122-6400	PM Red & White dwarf stars Subasavage 2004	M			1	22.356167	-64	-0.551667	573.408	0.4230	113.9000				
10842	omicron Ind (omi Ind)		K2-3III			21	50.785	-69	-37.76667	573.713	0.0125	260.0136	20.2			Indi
10843	143 G. Pup		B3V		−1.39	7	39.455833	-38	-18.48333	574.000						Puppis
10844	35 Vir		M4III		0.19	12	47.857	3	34.363333	574.000						Virginis
10845	rho 2 Cnc 58	giant	G8 II-III			8	55.661667	27	55.65	574.000						Cancri
10846	HD 163234 (HIP 87865)		K3III		0.22	17	56.9315	-40	-18.33833	576.000						Scorpii
10847	T 2 Tau	prototype of the T Tauri-type variables	G5Ve		3.36	4	21.9905	19	32.106667	576.000						Tauri
10848	HD 5316 (HIP 4317)		M4III		-0.05	0	55.244333	24	33.425	578.000						Piscium
10849	178 G. Sgr		M1/M2III		−0.12	19	24.3575	-43	-43.32333	579.000						Sagittarii
10850	HD 170547 (HIP 90692)		G8II-III		0.02	18	30.238333	-5	-43.44833	579.000						Scuti
10851	HD 182509 (HIP 95690)		K4III		−0.55	19	27.802	-54	-19.51833	579.000						Telescopii
10852	HD 62712 (HIP 37666)		B8IV		0.17	7	43.7155	-38	-12.115	580.000						Puppis
10853	110 G. Sco		K5III		0.03	16	55.962333	-33	-30.41333	581.000						Scorpii

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
10854	76 UMa		A2III		−0.24	12	41.565833	62	42.785	581.000						Ursae Majoris
10855	HD 145622 (HIP 78661)		A3V		−0.53	16	3.5233333	76	47.633333	581.000						Ursae Minoris
10856	HD 73131 (HIP 42415)		K0		0.08	8	38.998667	52	55.508333	581.000						Ursae Majoris
10857	Kappa2 Scl		K2III		−0.85	0	11.573667	-27	-47.98667	581.000						Sculptoris
10858	37 Vir		K4III:		−0.24	12	51.615167	3	3.405	582.000						Virginis
10859	76 Psc		K0		0.02	1	6.1866667	32	10.893333	582.000						Piscium
10860	CD-31 4590 (HD 36345) (HIP 36345)		B3V+...		−0.31	7	28.852667	-31	-50.905	582.000						Puppis
10861	47 G. tau		K0		0.05	4	19.623833	10	7.2916667	583.000						Tauri
10862	HD 211073 (HIP 109754) Lac		K2.5 III			22	13.878789	39	42.895736	583.808	0.0252	295.2192	-11.4			Lacertae
10863	121 G. Psc		K0		0.04	1	33.3045	8	12.528333	584.000						Piscium
10864	71 G. PsA		K3III		−0.72	23	1.3225	-28	-51.235	584.000						Piscis Austrini
10865	HD 82408 (HIP 46879)		K0		0.22	9	33.187667	45	30.831667	584.000						Ursae Majoris
10866	SCR 2335-5020	PM Red & White dwarf stars Subasavage 2004	M			23	35.882667	-50	-20.315	584.485	0.6610	127.0000				
10867	HD 90393 (HIP 51014)		G8III		−0.09	10	25.287	-42	-28.04167	586.000						Velorum
10868	HD 92354 (HIP 52338)		K3III		−0.53	10	41.805167	68	26.613333	586.000						Ursae Majoris
10869	57 Psc, EL		M4III		-0.92	0	46.549667	15	28.536667	587.000						Piscium
10870	29 tau		B3V		−0.94	3	45.673833	6	3.0016667	588.000						Tauri
10871	HD 103500 (HIP 58119)		M3III		0.19	11	55.235	36	45.39	588.000						Ursae Majoris
10872	HD 9151 (HIP 6971)		K1III		0.09	1	29.713167	-25	-37.06667	588.000						Sculptoris
10873	V911 Sco (100 G. Sco)	CVn variable	B9p Si		0.07	16	52.457	-40	-43.38667	588.000						Scorpii
10874	SDSS J160548.74+102444.0	White dwarf	DA			16	5.8122658	10	24.733002	588.087	0.0137	288.7630				
10875	alpha Per (Mirphak)	giant	F5 Ib		-4.5	3	24.32333	49	51.66667	590.000	0.0400	42.8000	-2		0.036	Persei
10876	HW Vir	eclipsing binary of Algol type; b planet or brown dwarf	sdB+MV	L?	4.6	12	44.337333	-8	-40.28	590.000				1	0.011	Virginis
10877	44 Psc		G5III		-0.53	0	25.403667	1	56.383333	593.000						Piscium
10878	HD 170069 (HIP 90662)		K2III		−0.61	18	29.932	-47	-13.23	594.000						Telescopii
10879	HD 38670 (HIP 27421)		B9Vn		−0.28	5	48.372667	20	52.171667	595.000						Tauri
10880	HD 66358 (HIP 39251)		A3IV		−0.41	8	1.6255	-37	-17.02333	595.000						Puppis
10881	16 G. Sco		K2/K3III		−0.09	16	3.9118333	-24	-43.58	597.000						Scorpii
10882	19 G. Vir		K2IV		−0.13	11	59.056333		31.836667	597.000						Virginis
10883	21 Sgr		A1/A2V		−1.50	18	25.350667	-20	-32.49667	597.000						Sagittarii
10884	HD 63291 (HIP 37939)		K3III		0	7	46.5575	-37	-46.35	597.000						Puppis
10885	HD 85483 (HIP 48287)		K0IIICN...		−0.59	9	50.6995	-46	-56.04	597.000						Velorum
10886	HD 9640 (HIP 7359)		M2III		-0.41	1	34.8175	18	27.64	597.000						Piscium
10887	V1143 tau	beta Cep variable	B6IV		−0.25	4	26.351667	8	35.416667	597.000						Tauri
10888	zeta Cas	subgiant	B2 IV			0	36.971667	53	53.816667	597.000						Cassiopeiae
10889	48 G. Ser Cap		K0		0.18	16	17.722833	1	29.803333	598.000						Serpentis
10890	HD 62578 (HIP 37623)		B5V		−0.72	7	43.2	-36	-3.006667	598.000						Puppis
10891	SCR 0629-6938	PM Red & White dwarf stars Subasavage 2004	M			6	29.94	-69	-38.22167	598.820	0.4730	153.6000				
10892	121 tau		B2.5IV		−0.95	5	35.452	24	2.3783333	599.000						Tauri

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
10893	68 Her	B (eclipsing binary)	B3 III	B5	-1.2	17	15.5	33	9	600.000	0.0150		-20.12			Herculis
10894	alf Car, (HD 79351) (HR 3659)	B	B2 IV	B2	3.43	9	10.9667	-58	-58.0167	600.000	0.0300		22.53			Carinae
10895	alf Sco Antares	Supergiant Cor Scorpii, Qalb al-Aqrab, Vespertilo; 16th brightest star; binary; variable	B2.5V	M1.5Iab-b	-5.28	16	29.40667	-26	-25.91667	600.000	0.0300	203.0000	-3.4			Scorpii
10896	beta Aqr (Saadalsuud) Saad el Sund	(Yellow Supergiant)	G0 Ib		3.74	21	31.558902	-5	-34.27033	600.000	0.0138	343.6000	6.5			Aquarii
10897	beta Ara		K3 Ib		-4.6	17	25.299812	-55	-31.79305	600.000	0.0300	0.0152	-251.579		0.02	Arae
10898	beta Cep (Alfrik)	(variable)	B2 III		-3.015	21	28.659952	70	33.642967	600.000	0.0089	304.7160	-8.2			Cephei
10899	ksi Ari	subgiant	B7 IV			2	24.816667	10	36.63333	600.000						Arietis
10900	pi Ari	B C?	B6 V	A?		2	49.292665	17	27.858533	600.000						Arietis
10901	R Aql	(variable)	M5e - M8e		-.2 to -1	19	4	8	9	600.000	0.0700		30.58			Aquilae
10902	R Ser	(variable)				15	48.906667	14	59.419667	600.000	0.0500		23.34			Serpentis
10903	T Pup		M2III		−0.19	7	48.1425	-40	-39.13833	600.000						Puppis
10904	chi Aqr	(variable)	M3 III		6.56	23	16.848992	-7	-43.59022	600.000	0.0141	219.6000	-15.1			Aquarii
10905	6 CMi		K1 III			7	29.796378	12	0.3936379	600.985	0.0108	181.3364	-16.31			Canis Minoris
10906	QY Ser		M0III		−0.88	15	54.577667	20	18.651667	601.000						Serpentis
10907	HD 13189 (HIP 10085)	planet or a brown dwarf companion (b)	K3II	L?	1.23	2	9.6695	32	18.986667	602.000				1	0.38	Trianguli
10908	17 Sgr		A7:		0.55	18	16.5895	-20	-32.66833	605.000						Sagittarii
10909	HD 142244 (HIP 77782)		K0		0.43	15	52.935833	17	24.188921	605.678	0.0326	260.9105	-12.76			Serpentis
10910	HD 45984 (HIP 30703)		K3III		−0.53	6	27.069	-58	-0.126667	606.000						Pictoris
10911	170 G. Sco		B8Ib/II		−1.56	17	49.1745	-31	-42.19167	607.000						Scorpii
10912	19 PsA		M3III		−0.23	22	42.368	-29	-21.66	607.000						Piscis Austrini
10913	9 Vul		B8IIIn		−1.35	19	34.5815	19	46.403333	608.000						Vulpeculae
10914	HD 62893 (HIP 37752)		B8V		−0.46	7	44.57	-37	-56.57667	608.000						Puppis
10915	gamma Cas (Navi)	(variable)	B0 IV e		4.1 - .5	0	56.708333	60	43	610.000	0.0151	98.4710	-7			Cassiopeiae
10916	144 G. Pup		B5V		−0.64	7	39.7305	-38	-8.36	612.000						Puppis
10917	HD 103736 (HIP 58259)		G8III		−0.15	11	56.887833	61	32.958333	612.000						Ursae Majoris
10918	HD 169033 (HIP 90096)		B5V		−0.66	18	23.202833	-12	-0.881667	612.000						Scuti
10919	HD 203858 (HIP 105660)		A2V		−0.17	21	24.123667	25	18.743333	612.000						Vulpeculae
10920	BQ Tuc		M4III		−0.64	0	53.629667	-62	-52.28167	613.000						Tucanae
10921	NO Pup (HIP 41361) (CPD-38 2296)		B9IV/V		−0.30	8	26.295667	-39	-3.538333	613.000						Puppis
10922	SCR 1227-4541	PM red / white dwarf stars Subasavage 2005	M			12	27.780333	-45	-41.27833	613.156	1.3040	282.0000				
10923	108 Vir		B9.5V		−0.69	14	45.503833		43.036667	614.000						Virginis
10924	26 G. Vir		G8III:		−0.05	12	1.0291667	-1	-46.08	614.000						Virginis
10925	48 G. Sco		A0III		−0.28	16	15.858167	-14	-50.94667	614.000						Scorpii
10926	HD 149174 (HIP 81198)		K2/K3III		0.06	16	35.1295	-45	-14.65333	614.000						Scorpii
10927	HD 113436 (HIP 63647)		A3Vn		0.12	13	2.6743333	59	42.98	615.000						Ursae Majoris
10928	HD 32482 (HIP 23589)		K0		−0.18	5	4.3596667	21	16.68	615.000						Tauri
10929	HD 62226 (HIP 37450)		B3V		−0.98	7	41.263833	-38	-32.015	617.000						Puppis

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
10930	theta 1 Sgr	256 G. Sgr	B2.5IV		−2.02	19	59.736167	-35	-16.575	617.000						Sagittarii
10931	12 Vul	V395 Vul Be star	B2.5V		−1.49	19	51.068167	22	36.605	619.000						Vulpeculae
10932	23 G. Ser Cap		K0III		−0.07	15	45.658333		53.463333	619.000						Serpentis
10933	HD 71553 (HIP 41927)		K0		−0.08	8	32.887833	69	19.198333	619.000						Ursae Majoris
10934	V4050 Sgr (59 G. Sgr)	CVn variable	B7Ib/II		−1.06	18	22.884667	-36	-40.17	619.000						Sagittarii
10935	Kepler 22c	Waterworld Mordwan and Moon 2 times Earth size	G5V			19	16.87	47	53.066667	620.000				2	0.42	Cygni
10936	delta TrA	B	G2 Ib-IIa			16	15.438333	-63	-41.13333	621.000					0.057	Trianguli Australis
10937	HD 141585 (HIP 77817)		K3III		−0.19	15	53.382333	-62	-36.39333	623.000						Trianguli Australis
10938	KL Vel	CVn variable	B8V		−0.85	9	12.509	-43	-36.79833	623.000						Velorum
10939	Calvera (RX J1412.9+7922)		Neutron		0	14	12.933333	79	22.066667	625.000						Ursae Minoris
10940	HD 34810 (HIP 24977)		K0III		−0.21	5	20.943667	19	48.861667	625.000						Tauri
10941	HD 1502 (HIP 1547)	b	K0D		0	0	19.283333	14	3.2833333	625.396	0.0442	102.8786	-9381	1	0.36	Piscium
10942	LP TrA	CVn variable	Ap		−1.32	16	**46.666833**	-67	-6.58	626.000						Trianguli Australis
10943	k1 Vel		K0/K1III+..		−0.57	9	14.952833	-37	-36.14167	627.000						Velorum
10944	ksi Scl		K1III		−0.83	1	1.3038333	-38	-54.99833	628.000						Sculptoris
10945	27 Sex		K0		0.12	10	26.781667	-4	-23.3	629.000						Sextantis
10946	HD 50002 (HIP 32332)		K3III		−0.33	6	44.927833	-70	-26.02667	629.000						Volantis
10947	HD 72232 (HIP 41674)		B7IV		−0.45	8	29.760833	-46	-19.90333	629.000						Velorum
10948	epsilon Car (Avoir)	B	K0 II & B			8	22.513333	-59	-30.58333	630.000	0.0198	48.1200	2		0.016	Carinae
10949	omega Cap Baten Algiedi	(Baten Algiedi) (red giant)	M0 III-IIIb			20	51.821667	-26	-55.15	630.000						Capricorni
10950	107 G. Sco		A5IIIm...		−0.09	16	54.599	-30	-35.24	631.000						Scorpii
10951	52 G. Sco		G8III		−0.03	16	16.986667	-20	-6.245	631.000						Scorpii
10952	HD 28086 (HIP 20698)		K0		−0.06	4	26.022333	4	22.41	631.000						Tauri
10953	HD 71141 (HIP 41242)		A1III/IV		−0.76	8	24.92	-23	-9.228333	631.000						Puppis
10954	BD-17 6768	Flare	M3Ve			23	32.780068	-16	-45.12068	631.395	0.3967	303.8604	-1.6			
10955	SDSS J151804.86+263840.6	PM	M3V			15	18.081448	26	38.679875	631.395	0.0379	231.9355	-6			
10956	GJ 897 (BD-17 6768)	Flare star, B	M3.5 J	?	10.39650851	23	32.755117	-16	-44.93897	631.395	0.3967	303.8604	-1.6			Aquarii
10957	V392 Pup	Be star	B5V		−0.57	7	46.176	-37	-56.02167	632.000						Puppis
10958	HD 215562 (HIP 112533)		K1III		0.05	22	47.595167	-65	-33.61333	633.000						Tucanae
10959	HD 101151 (HIP 56784)		K2III		−0.16	11	38.538833	33	37.551667	634.000						Ursae Majoris
10960	87 Vir		M2III		−1.04	13	47.4225	-17	-51.585	635.000						Virginis
10961	SCR 0804-1256	PM red / white dwarf stars Subasavage 2005	M			8	4.8068333	-12	-56.49333	635.310	0.4800	164.0000				
10962	M Pup		B8II			7	18.070823	-43	59.206997	635.385	0.0065	237.8703	13			Puppis
10963	149 G. Sco		K0III		−0.47	17	28.934833	-36	-46.69667	637.000						Scorpii
10964	HD 67408 (HIP 39730)		K1III		0.05	8	7.2671667	-17	-22.12833	637.000						Puppis
10965	HD 165944	RotV	K2III			18	8.6170286	-4	-26.43344	637.573	0.0108	203.7528	-67.44			
10966	HD 79846 (HIP 45328)		G8II/III		−1.20	9	14.300333	-55	-34.18167	638.000						Velorum
10967	3 Psc		G4III		-0.24	23	0.6313333	0	11.15	639.000						Piscium
10968	36 Sex		K4III		−0.19	10	45.158	2	29.281667	639.000						Sextantis
10969	48 Lib	(shell star)	B3 III			15	55.4	-14	-8	640.000	0.0300		-5.63			Librae

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
10970	CCDM J11388+6421 (HD 101150) (HIP 56816)	B	A5IV	?	0.02	11	38.818667	64	20.818333	640.000						Ursae Majoris
10971	QZ Pup		B2V		−1.98	7	52.644167	-38	-51.77	640.000						Puppis
10972	35 G. Sex		K0		−0.39	10	16.150167	-11	-12.205	642.000						Sextantis
10973	51 G. PsA		K2/K3III		−0.59	22	40.373	-30	-39.50167	642.000						Piscis Austrini
10974	epsilon A Vol	B	B6 IV			8	7.93	-68	-37.03333	642.000						Volantis
10975	HD 28413 (HIP 20619)		K4/K5III		−0.53	4	25.089333	-61	-14.295	642.000						Reticuli
10976	SCR 1621-2810	PM red / white dwarf stars Subasavage 2005	M			16	21.115667	-28	-10.40833	642.803	0.4650	163.9000				
10977	43 G. Sco		K0III		−0.56	16	14.372833	-33	-0.663333	643.000						Scorpii
10978	98 G. Vir		K5		−0.14	12	57.211333	-12	-4.015	643.000						Virginis
10979	XZ Psc		M5IIb		-0.69	23	54.7775	0	6.56	643.000						Piscium
10980	e Ser		A2V		−0.72	18	37.599167		18.565	644.000						Serpentis
10981	HD 220929 (HIP 115833)		K2III		−0.14	23	28.0115	-35	-32.67	644.000						Sculptoris
10982	HD 51682 (HIP 33394)		K2III		−0.21	6	56.761667	-35	-20.48167	644.000						Puppis
10983	HD 3444 (HIP 2889)		K2/K3III		−0.05	0	36.6265	-65	-7.465	646.000						Tucanae
10984	HD 36513 (HIP 37773)		G6/G8III		−0.12	7	44.731333	-66	-4.323333	648.000						Volantis
10985	SCR 1916-3638	PM red / white dwarf stars Subasavage 2005	M			19	16.776	-36	-38.09833	648.994	1.3030	184.1000				
10986	68 G. Vir		A1V		−0.17	12	38.073833	3	16.948333	649.000						Virginis
10987	9 Dra		K2 III			12	59.918333	66	35.833333	650.000						Draconis
10988	BD+20°2457 Leo		K2 II			10	16.747725	19	53.4829	650.000	0.0276	227.9948				Leonis
10989	HD 154143 (HIP 83430)		M3 III			17	3.13	14	5.5166667	650.000						Herculis
10990	HD 27588 (HIP 20161)		K2 III			4	19.276667	-44	-16.08333	650.000						Horologii
10991	omicron Her (HD 166014) (HIP 88794)		B9.5III			18	7.543333	28	45.75	650.000						Herculis
10992	psi Cyg		A4 Vn			19	55.63	52	26.33333	650.000						Cygni
10993	SCR 1400-3935	PM red / white dwarf stars Subasavage 2005	M			14	0.5383333	-39	-35.49	650.623	0.5070	255.7000				
10994	HD 72752 (HIP 41905)		K2III		−0.01	8	32.675167	-47	-2.528333	651.000						Velorum
10995	18 Sgr		K0III		−0.93	18	25.025167	-30	-45.38333	653.000						Sagittarii
10996	113 tau		B2Vn		−0.28	5	26.095333	16	42.01	655.000						Tauri
10997	delta Cet (Phycochroma)	(blue giant)	B2 IV			2	39.483333		19.716667	655.000						Ceti
10998	50 Vir		K5III		−0.57	13	9.7548333	-10	-19.75833	656.000						Virginis
10999	HD 29805 (HIP 21666)		K2III		−0.07	4	39.0715	-51	-40.36833	656.000						Pictoris
11000	108 tau		A2V		−0.26	5	15.461	22	17.091667	657.000						Tauri
11001	75 Vir		K1III		−1.01	13	32.8615	-15	-21.78	660.000						Virginis
11002	delta Vol	giant	F6 II			7	16.83	-67	-57.43333	660.000					0.044	Volantis
11003	HD 37439 (HIP 26616)		A1Vn		−0.11	5	39.451833	21	45.78	660.000						Tauri
11004	HD 54153 (HIP 34253)		G0III		−0.44	7	6.0376667	-38	-22.97333	660.000						Puppis
11005	iota Ari	(yellow supergiant)	G2 Ib-II			1	57.351667	17	49.05	660.000						Arietis
11006	56 Vir		K5		0.41	13	14.752167	-10	-22.21667	661.000						Virginis
11007	62 Psc		G8III		-0.62	0	48.289	7	17.995	661.000						Piscium

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
11008	HD 42834 (HIP 29304)		A0V		−0.26	6	10.6655	-45	-16.92	663.000						Puppis
11009	HD 59235 (HIP 36264)		K4III		−0.28	7	28.032	-26	-50.34	664.000						Puppis
11010	19 UMi		B8V		−1.07	16	10.8255	75	52.651667	665.000						Ursae Minoris
11011	WASP-40/HAT-P-27	b	G8		0	14	51.070833	5	56.84	665.000				1	0.38	Virginis
11012	92 G. Psc (HD 3457) (HIP 2954)	PM	K3III		0.19	0	37.508194	3	8.1211512	666.803	0.0633	123.3322	8.94			Piscium
11013	HD 61589 (HIP 37289)		K3III		−0.15	7	39.403333	-16	-50.835	667.000						Puppis
11014	115 tau		B5V		−1.16	5	27.168167	17	57.736667	668.000						Tauri
11015	24 G. Ser Cau		K1II		−0.18	18	9.7228333	-13	-56.065	669.000						Serpentis
11016	HD 135061 (HIP 74441)		K2		−0.06	15	12.7865	10	42.148333	669.000						Serpentis
11017	HD 148291 (HIP 80874)		K0II/IIICN.		−1.37	16	30.822833	-61	-38.00833	669.000						Trianguli Australis
11018	pi Cap	giant B	B8 II - III			20	27.32	-18	-12.7	670.000						Capricorni
11019	HD 104075 (HIP 58460)		K1III		−0.62	11	59.292333	33	10.021667	671.000						Ursae Majoris
11020	HD 2363 (HIP 2159)		K0III		−0.58	0	27.244833	-25	-32.82833	671.000						Sculptoris
11021	143 G. Sgr		B9.5V		−0.27	19	8.2426667	-24	-39.44167	672.000						Sagittarii
11022	alpha Scl	SX Arietis-type variable star	B7IIIp		−2.27	0	58.605833	-29	-21.44833	672.000						Sculptoris
11023	HIP 98609 (HD 189944)		B4V		−0.69	20	1.7451667	24	48.025	672.000						Vulpeculae
11024	V376 Pup	beta Lyr variable	B8IV (p Si)		−0.30	7	33.2195	-40	-3.511667	672.000						Puppis
11025	HD 59256 (HIP 36258)		B9Vsp...		−1.03	7	27.986167	-29	-9.353333	674.000						Puppis
11026	HD 71510 (HIP 41296)		B2V		−1.40	8	25.522333	-51	-43.64667	674.000						Velorum
11027	21 Sex		K0		0.39	10	14.140167	-7	-59.60667	675.000						Sextantis
11028	G Pup		B9V		−0.82	6	25.727667	-48	-10.61167	675.000						Puppis
11029	HD 192827 (HIP 100151)		M1III		−0.30	20	18.932833	-47	-42.64667	675.000						Telescopii
11030	SCR 2104-5229	PM Red & White dwarf stars Subasavage 2004	M			21	4.0101667	-52	-29.72333	675.058	0.4000	233.7000				
11031	140 G. Pup		K3III		−1.60	7	40.386833	-15	-15.83167	676.000						Puppis
11032	44 UMa		K3III		−1.46	10	53.575333	54	35.108333	676.000						Ursae Majoris
11033	HD 60150 (HIP 36346)		K5III		−0.22	7	28.856667	-64	-30.58667	676.355	0.0058	151.3727	14.14			Volantis
11034	HD 64876 (HIP 38635)		K4III		−0.45	7	54.6655	-34	-50.80167	678.000						Puppis
11035	HD 56733 (HIP 35202)		B4V		−0.78	7	16.531	-38	-19.13667	679.000						Puppis
11036	LX TrA (HD 75665) (HIP 75665)	Long period variable	K5/M0III		−0.88	15	27.551667	-64	-31.88667	679.000						Trianguli Australis
11037	V4199 Sgr (173 G. Sgr)		B5III		−0.34	19	21.6185	-19	-14.065	679.000						Sagittarii
11038	delta Lup	(blue-white subgiant)	B2 IV			15	18.1	-40	-28	680.000	0.0300		1.61			Lupi
11039	delta3 CMi	dwarf	A0 Vnn			7	34.263333	3	22.283333	680.000						Canis Minoris
11040	epsilon Cma Adhara		B2 II		-5	6	56.7	-28	-54	680.000			25.75			Canis Majoris
11041	gamma Ara	B	B1 III		-3.3	17	21.2	-56	-2	680.000	0.0200		-4.02		0.057	Arae
11042	nu And	B	B5V	F8 V		0	49.813333	41	4.73	680.000						Andromedae
11043	17 UMa		K5III		−1.32	9	15.830167	56	44.488333	681.000						Ursae Majoris
11044	HD 80590 (HIP 45754)		B8V		−0.20	9	19.799	-34	-6.198333	681.000						Pyxidis
11045	HD 95057 (HIP 53706)		K0		−0.38	10	59.298167	51	52.941667	681.000						Ursae Majoris
11046	HD 218619 (HIP 114366)		K2III		−0.73	23	9.7436667	-28	-5.315	685.000						Sculptoris
11047	HD 71622 (HIP 41449)		G8III		−0.28	8	27.273833	-31	-40.36333	685.000						Pyxidis

item	Main Star Name	2nd Star Name / Notes	Spectral Type A	Spectral Type B	Absolute Magnitude	Right Ascension hours	RA minutes (in decimal)	declination degrees	dec minutes	Light year distance	Proper Motion seconds / year	Angle of Proper motion	Radial movement Km / sec	g=gas giants, e=earth type, d=dust	Earth Habital Zone Probability	Constellation
11048	OX Pup	alpha2 CVn variable	Ap Si		−0.28	7	47.096167	-39	-19.86167	685.000						Puppis
11049	V1003 Sco	62 Nor in Sco	B2.5IV		−0.79	16	38.438333	-43	-23.90333	686.000						Scorpii
11050	eta1 TrA		B7IV		−0.73	16	41.3855	-68	-17.765	688.000						Trianguli Australis
11051	beta Sct	B Gamma	G5 II	B9.5		18	47.175	-4	-44.86667	690.000					0.107	Scuti
11052	iota Car (Aspidiske) Scutulum Turais Tureis		A8 Ib		-4.46	9	17.09	-59	-16.51667	690.000	0.0134	55.4370	12.87		0.056	Carinae
11053	phi Cap	giant	K0II/III			21	15.631667	-20	-39.1	690.000						Capricorni
11054	HD 60951 (HIP 36986)		K1II		−0.23	7	36.123667	-22	-9.628333	691.000						Puppis
11055	HD 63852 (HIP 38200)		M0III		−1.02	7	49.5905	-33	-17.33667	691.000						Puppis
11056	162 G. Sco		B8V		−0.54	17	38.140833	-42	-52.81167	692.000						Scorpii
11057	HD 56813 (HIP 35181)		K4III		−0.99	7	16.257833	-46	-46.47667	692.000						Puppis
11058	HIP 90804 (HD 170740)	double star (Struve 2325)	B2V		−0.87	18	31.428167	-10	-47.74833	694.000						Scuti
11059	HR 6989 (HD 91369) (HIP 91369)		B8II/III		−0.15	18	38.074667	-14	-0.285	694.000						Scuti
11060	V368 Pup	delta Sct variable	A8V		−0.50	7	24.789333	-37	-17.475	694.000						Puppis
11061	114 tau		B2.5IV		−1.76	5	27.634667	21	56.218333	695.000						Tauri
11062	3 G. PsA		B8IIIw		−0.22	21	34.883167	-29	-41.765	695.000						Piscis Austrini
11063	HD 34762 (HIP 24984)		B9IV		−0.29	5	20.989	27	57.438333	695.000						Tauri
11064	HD 50621 (HIP 32918)		K2/K3III		−0.22	6	51.542667	-48	-17.56333	695.000						Puppis
11065	175 G. Sco		K1III		−0.60	17	52.820333	-34	-6.89	697.000						Scorpii
11066	35 Sex	double star	K3III+...		−0.88	10	43.3485	4	44.865	697.000						Sextantis
11067	HD 58420 (HIP 35893)		B5V		−0.33	7	23.972333	-35	-50.27167	697.000						Puppis
11068	HD 71231 (HIP 41306)		K1III		−0.21	8	25.656167	-17	-26.365	698.000						Puppis
11069	TYC 3416-543-1	b, brown dwarf (c)	G4	L	3.97	8	39.530167	47	21.121667	698.000	0.0217	222.1809	14.69	1	0.34	Ursae Majoris
11070	tau 2 Hya		A3 V			9	31.982087	-1	-11.07979	698.602	0.0069	249.9214	3.9			Hydrae
11071	51 G. Sgr		K3III		−2.00	18	18.053167	-27	-2.558333	700.000						Sagittarii
11072	epsilon Ant		K3 IIIa			9	29.245	-35	-57.08	700.000						Antliae
11073	epsilon Peg (Enif)		K2 Ib		-4.19	21	44.186667	-9	-52.5	700.000	0.0250	2.6000	5		0.033	Pegasi
11074	GY Vel (HD 50332) (HIP 50332)		M4/M5III		−0.46	10	16.6695	-51	-12.28	700.000						Velorum
11075	HD 33116 (HIP 23653)		M2III		−0.40	5	5.0101667	-54	-24.445	700.000						Pictoris
11076	Helix Nebula	(planetary Nebula)	Nebula			22	29.6425	-20	-50.22667	700.000						Aquarii
11077	phi And	B C D	B7 V	B?		1	9.502092	47	14.51	700.000	0.0079	286.3000	-0.1			Andromedae
11078	sigma Cap	giant	K3 II			20	19.393333	-19	-7.116667	700.000						Capricorni
11079	tau And	B	B8 III			1	40.580283	40	34.62	700.000	0.0168	305.4000	-14			Andromedae
11080	theta Oph	(variable)	B2 IV			17	18.9	-24	-57	700.000	0.0200		-3.22			Ophiuchi
11081	zeta Ori (Alnitak, Vulcan Star Trek original)	B gamma (Belt of Orion)	O9 lab	O & B0 III	-5.25	5	40.7583	-1	-56.5667	700.000	0.0022	302.4712	17.7	1	0.3	Orionis
11082	lambda C Sco		A?			17	33.541667	-37	-4.86667	700.000	0.0300	196.5000	-3			Scorpii
11083	SCR 1457-4705	PM red / white dwarf stars Subasavage 2005	M			14	57.089	-47	-5.44	700.796	0.5170	226.4000				Lupi