

PARI Reference Number	University of Michigan - Ann Arbor Spectral Plate Identification	Simbad Identification	Epoch 1900 Coordinates				ICRS 2000.0 Coordinates							First Plate Date	Last Plate Date
			RA Hrs	RA Min	Dec Deg	Dec Min	RA hrs	RA min	RA secs	Dec Deg	Dec Min	Dec Secs			
10	Theta 24 Andromeda	HD 1280	0	11.90			00	17	05.4983	+38	40	53.888	1913		
11	BD +50 46	HD 1337	0	12.50			00	17	43.0617	+51	25	59.125	1934		
12	T V Cassiopeia	HD 1486	0	13.90	58	35	00	19	18.7422	+59	08	20.545	1916		
15	T Cassiopeia	HD 1845	0	18.00	55	15	00	23	14.2716	+55	47	33.206	1914		
16	R Andromeda	HD 1967	0	18.80	38	1	00	24	01.9469	+38	34	37.328	1915		
13	HD 1976	HD 1976	0	15.00			00	24	15.6573	+52	01	11.690	1938		
17	Kappa Cassiopeiae	HD 2905	0	27.30			00	32	59.9917	+62	55	54.418	1931	1938	
18	Pi Andromedae	HD 3369	0	31.50	33	10	00	36	52.8497	+33	43	09.637	1925		
7	Alpha Andromeda	HD 358	0	4.00			00	08	23.2586	+29	05	25.555	1939		
19	Alpha Cassiopeia 18	HD 3712	0	34.80	55	59	00	40	30.4405	+56	32	14.392	1912	1935	
20	HD 3901	HD 3901	0	36.00			00	42	03.8955	+50	30	45.093	1939		
21	HD 4004	HD 4004	0	37.00			00	43	28.4	+64	45	35	1941		
22	Pi Cassiopeiae	HD 4058	0	38.00			00	43	28.0697	+47	01	28.367	1934	1935	
23	HD 4142	HD 4142	0	39.00			00	44	26.1917	+47	51	50.342	1938	1939	
24	21 Cassiopeia	HD 4161	0	40.50	74	33	00	45	39.0777	+74	59	17.063	1924		
6	Beta Cassiopeia 11	HD 432	0	3.80	58	36	00	09	10.6851	+59	08	59.207	1912	1912	
25	Eta Cassiopeia (Brighter)	HD 4614	0	43.00	57	17	00	49	06.2912	+57	48	54.674	1913	1914	
26	Eta Cassiopeia (Fainter)	HD 4614B	0	44.00	57	21	00	49	06.51	+57	48	54.9	1913		
27	Nu Andromedae	HD 4727	0	44.00			00	49	48.8473	+41	04	44.079	1934		
28	Gamma Cassiopeia 27	HD 5394	0	50.70	60	11	00	56	42.5317	+60	43	00.265	1911	1959	
29	Mu 37 Andromeda	HD 5448	0	51.20	37	57	00	56	45.2115	+38	29	57.641	1913		
9	NGC 40 Nucleus	HD 826	0	8.00			00	13	01.0149	+72	31	19.085	1941		
8	Gamma Pegasi	HD 886	0	8.00			00	13	14.1528	+15	11	00.945	1930	1949	
5	Bradley 132 (PGC 249)	MCG+06-01-009	0	2.60	20	17	00	03	32.20	+37	20	17.0	1916	1916	
43	Gamma Andromeda	gam And	1	58.00	41	58	02	03	53.95	+42	19	47.0	1912	1946	
36	Phi Persei	HD 10516	1	37.00	50	11	01	43	39.6375	+50	41	19.437	1911	1940	
37	Tau Ceti	HD 10700	1	39.00	-17	01	44	04.0829	-15	56	14.928	1931			
38	Epsilon Cassiopeia	HD 11415	1	47.20	63	11	01	54	23.7255	+63	40	12.365	1915		
41	Alpha Trianguli	HD 11443	1	49.00		01	53	04.9079	+29	34	43.785	1935			
39	Gamma Arietis (S)	HD 11502	1	48.00	18	48	01	53	31.80	+19	17	45.0	1916	1928	
40	Beta Arietis	HD 11636	1	49.00		01	54	38.4091	+20	48	28.926	1933	1935		
42	Epsilon 3 Triangulum	HD 12471	1	57.10	32	49	02	02	57.9557	+33	17	02.886	1914		
30	Beta Andromeda	HD 6860	1	4.00	35	5	01	09	43.9236	+35	37	14.008	1912	1946	
31	45 Andromedae	HD 7019	1	5.50	37	12	01	11	10.2775	+37	43	26.836	1914		
32	Delta Cassiopeia	HD 8538	1	19.00		01	25	48.9523	+60	14	07.019	1935	1938		
33	Alpha Ursae Minores	HD 8890	1	22.60	88	45	02	31	49.0837	+89	15	50.794	1917		
34	R Piscium	HD 9203	1	25.50	2	22	01	30	38.400	+02	52	53.56	1914		
44	Kappa Arietis	HD 12869	2	1.00		02	06	33.9255	+22	38	53.941	1934			
45	Alpha Arietis	HD 12929	2	1.50	22	59	02	07	10.4071	+23	27	44.723	1912	1916	
46	R Arietis 21	HD 13913	2	10.00	24	35	02	16	07.1133	+25	03	23.659	1914		
47	W Andromeda	HD 14028	2	11.20	43	50	02	17	32.9606	+44	18	17.766	1915		
48	Gamma 9 Triangulum	HD 14055	2	11.40	33	23	02	17	18.8673	+33	50	49.897	1914		
49	Omincron Ceti	HD 14386	2	14.00	-3	26	02	19	20.7927	-02	58	39.513	1914	1949	
50	DM +58 467	HD 14947	2	19.50	58	25	02	26	46.9893	+58	52	33.125	1919	1920	
51	BD -10 513	HD 16115	2	30.20	-9	53	02	35	06.4995	-09	26	34.129	1914		
52	HD 16523	HD 16523	2	34.00		02	41	11.6725	+56	43	49.717	1941			
53	Delta Ceti	HD 16582	2	34.00		02	39	28.9567	+00	19	42.638	1931	1932		
54	Pi Ceti 89	HD 17081	2	39.40	-14	17	02	44	07.3499	-13	51	31.307	1915		

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55	RZ Cassiopeia	HD 17138	2	39.90	69	13	02	48	55.5105	+69	38	03.443	1923	1924	
56	Tau Persei	HD 17879	2	47.00		02	54	15.4605	+52	45	44.924	1932	1938		
57	21 Perseus	HD 18296	2	51.20	31	32	02	57	17.2825	+31	56	03.187	1913		
58	Alpha Ceti	HD 18884	2	57.00		03	02	16.7721	+04	05	23.042	1930			
59	Gamma Persei	HD 18925	2	58.00	53	7	03	04	47.7907	+53	30	23.184	1932	1960	
60	25 Persei	HD 19058	2	58.80	38	27	03	05	10.5934	+38	50	24.986	1913		
61	Beta Persei Algol	HD 19356	3	1.70	40	34	03	08	10.1315	+40	57	20.332	1913	1947	
62	BD +57 702	HD 19557	3	3.70	57	31	03	11	25.3273	+57	54	11.226	1914	1915	
64	HR 985	HD 20336	3	11.00	65	17	03	19	59.2727	+65	39	08.253	1912	1959	
63	HD 20365	HD 20365	3	11.00		03	18	37.7413	+50	13	19.827	1938			
65	Alpha Persei	HD 20902	3	17.00	65	03	24	19.3703	+49	51	40.247	1913	1954		
67	Xi Tauri	HD 21364	3	21.70	9	23	03	27	10.1527	+09	43	57.647	1916		
70	Epsilon Eridani	HD 22049	3	28.00		03	32	55.8442	-09	27	29.744	1931			
71	Psi Persei	HD 22192	3	29.00	47	51	03	36	29.3789	+48	11	33.481	1911	1958	
77	12 Tauri Taygeta	HD 22796	3	39.30	24	10	03	39	51.1223	+03	03	24.708	1916	1948	
72	Pleiades 11 Tauri	HD 22805	3	34.80	25	0	03	40	46.3096	+25	19	46.173	1923		
98	Delta Persei	HD 22928	3	55.80	47	28	03	42	55.5028	+47	47	15.185	1915	1932	
73	Omicron Persei	HD 23180	3	38.00	31	58	03	44	19.1320	+32	17	17.693	1920	1934	
74	Pleiades 6 Celaeno	HD 23288	3	38.90	23	59	03	44	48.2154	+24	17	22.093	1917	1923	
75	17 Tauri	HD 23302	3	39.00	23	48	03	44	52.5373	+24	06	48.021	1913	1953	
76	18 Tauri	HD 23324	3	39.20	24	32	03	45	09.7391	+24	50	21.336	1914		
79	20 Tauri Maia	HD 23408	3	40.00	24	4	03	45	49.6067	+24	22	03.895	1912	1948	
78	Asterope 21 k Tauri	HD 23432	3	40.00	24	15	03	45	54.4763	+24	33	16.240	1916	1923	
81	Asterope 22 L Tauri	HD 23441	3	40.10	24	13	03	46	02.9003	+24	31	40.433	1916	1923	
80	23 Tauri Merope	HD 23480	3	40.00	23	1	03	46	19.5739	+23	56	54.090	1913	1960	
85	Eta Tauri	HD 23630	3	42.00		03	47	29.0765	+24	06	18.494	1911	1938		
88	28 Tauri Pleione	HD 23862	3	43.00	23	51	03	49	11.2161	+24	08	12.163	1912	1960	
92	Zeta Persei	HD 24398	3	48.00		03	54	07.9215	+31	53	01.088	1937			
93	DM +52 726	HD 24431	3	48.10	52	21	03	55	38.4208	+52	38	28.764	1918	1919	
94	X Persei	HD 24534	3	49.00	31	03	55	23.0773	+31	02	45.014	1913	1960		
95	Epsilon Persei	HD 24760	3	51.00		03	57	51.2307	+40	00	36.773	1938			
96	Xi 46 Persei	HD 24912	3	52.50	35	30	03	58	57.9011	+35	47	27.717	1911	1931	
97	Lambda Tauri	HD 25204	3	55.00		04	00	40.8157	+12	29	25.248	1923	1934		
99	DM 61deg 667	HD 25408	3	57.20	61	32	04	05	53.8503	+61	47	39.988	1914	1915	
86	53 Tauri Anon. 28	HD 27295	3	42.50	23	8	04	19	26.0974	+21	08	32.304	1923	1929	
89	67 Tauri Anon. 34	HD 27946	3	43.80	23	25	04	25	25.0155	+22	11	59.993	1923		
100	C Persei 48	HD 25940	4	1.00		04	08	39.6908	+47	42	45.046	1911	1937		
102	BD +30 624	HD 26125	4	3.00		04	09	17.7118	+30	38	34.317	1941			
103	NGC 1535	HD 26847	4	10.00		04	14	15.76	-12	44	22.0	1942			
104	HD 27396	HD 27396	4	14.00		04	21	33.1668	+46	29	55.960	1938			
106	55 Perseus	HD 27777	4	18.00	33	54	04	24	29.1552	+34	07	50.728	1914		
101	NGC 1514	HD 281679	4	3.00		04	09	16.9844	+30	46	33.471	1941			
107	Theta(2) Tauri	HD 28319	4	23.00		04	28	39.7408	+15	52	15.178	1933	1935		
105	T Tauri	HD 284419	4	16.20		04	21	59.4345	+19	32	06.429	1941	1957		
108	HD 28446	HD 28446	4	24.00		04	32	01.8398	+53	54	38.988	1938			
110	Alpha Tauri	HD 29139	4	30.20	16	19	04	35	55.2387	+16	30	33.485	1912	1946	
111	9 or Alpha Camelopardalis	HD 30614	4	44.00	66	12	04	54	03.0113	+66	20	33.641	1930	1948	
112	Pi 4 Orionis	HD 30959	4	46.00		04	52	31.9621	+14	15	02.311	1933	1934		

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113	Pi 5 Orionis	HD 31139	4	49.00			04	53	22.7726	+02	30	29.610	1933	1934	
114	Epsilon Aurigae	HD 31964	4	55.00			05	01	58.1341	+43	49	23.910	1923	1960	
115	Zeta Aurigae	HD 32068	4	56.00			05	02	28.6869	+41	04	33.015	1933	1956	
116	Star N or 11 Camelopardalis	HD 32343	4	57.00			05	06	08.4527	+58	58	20.540	1942		
117	11 Camelopardalis	HD 32343	4	57.40	58	50	05	06	08.4527	+58	58	20.540	1925	1960	
118	105 Tauri	HD 32991	5	2.00			05	07	55.4359	+21	42	17.355	1930	1960	
120	R Aurigae	HD 34019	5	9.20	53	28	05	17	17.6907	+53	35	10.042	1915		
121	Alpha Aurigae	HD 34029	5	9.30	45	54	05	16	41.3591	+45	59	52.768	1917	1935	
122	AE Aurigae	HD 34078	5	10.00			05	16	18.1497	+34	18	44.341	1931	1960	
123	Lambda Aurigae	HD 34411	5	12.00	40	0	05	19	08.4745	+40	05	56.586	1948		
124	DM +37 1146	HD 34656	5	14.00	37	20	05	20	43.0804	+37	26	19.197	1917	1920	
125	Eta Orionis	HD 35411	5	19.40	-2	29	05	24	28.6167	-02	23	49.726	1915	1934	
128	25 Orionis	HD 35439	5	20.00	1	45	05	24	44.8265	+01	50	47.201	1915	1960	
126	Gamma Orionis	HD 35468	5	19.80	6	16	05	25	07.8631	+06	20	58.928	1912	1950	
127	Beta Tauri	HD 35497	5	20.00	28	31	05	26	17.5134	+28	36	26.820	1912	1950	
129	DM -12deg 1172	HD 35914	5	22.90	-12	46	05	27	28.204	-12	41	50.26	1914	1919	
130	IC 418 Planetary Nebula	HD 35914	5	23.00			05	27	28.204	-12	41	50.26	1941		
131	IC 418	HD 35914	5	24.50			05	27	28.204	-12	41	50.26	1948		
133	HD 36166	HD 36166	5	25.00			05	29	54.7741	+01	47	21.337	1938		
135	Chi Aurigae	HD 36371	5	26.00			05	32	43.6729	+32	11	31.278	1937	1943	
136	Delta Orionis Mintaka	HD 36485	5	26.90	0	22	05	32	00.405	-00	17	04.46	1912	1950	
137	120 Tauri	HD 36576	5	27.70	18	29	05	33	31.6299	+18	32	24.831	1930	1959	
139	Lambda Orionis Companion	HD 36861J	5	29.00	9	52	05	35	08.2771	+09	56	02.970	1914		
141	Theta 2 Orionis	HD 37041	5	30.00			05	35	22.9008	-05	24	57.815	1934		
143	Iota Orionis	HD 37043	5	30.50	-5	29	05	35	25.9825	-05	54	35.645	1915	1950	
145	Epsilon Orionis Alnilam	HD 37128	5	31.10	-1	16	05	36	12.8135	-01	12	06.911	1913	1950	
146	Phi (2) Orionis [SAO 112958]	HD 37160	5	31.50	9	14	05	36	54.3879	+09	17	26.422	1948		
147	Zeta tauri	HD 37202	5	31.70	21	5	05	37	38.6858	+21	08	33.177	1914	1916	
149	Omega Orionis	HD 37490	5	34.00	4	4	05	39	11.1463	+04	07	17.281	1921	1959	
150	Zeta Orionis	HD 37742J	5	35.70	-2	0	05	40	45.5271	-01	56	33.260	1914	1950	
156	II 2149	HD 39659	5	53.50			05	56	23.91	+46	06	17.3	1948	1949	
152	Alpha Orionis	HD 39801	5	49.80	7	23	05	55	10.3053	+07	24	25.426	1917	1952	
154	HD 40111	HD 40111	5	52.00			05	57	59.6559	+25	57	14.083	1938		
153	Beta Aurigae	HD 40183	5	52.00			05	59	31.7229	+44	56	50.758	1934		
155	Theta 37 Aurigae	HD 40312	5	52.90	37	12	05	59	43.2690	+37	12	45.307	1914	1938	
157	HR 2142	HD 41335	5	59.00	-6	42	06	04	13.5014	-06	42	32.189	1926	1960	
158	HR 2142 Monoceros	HD 41335	5	59.40	-6	42	06	04	13.5014	-06	42	32.189	1926	1941	
138	Great Nebula Orion M42	M 42	5	28.00			05	35	17.3	-05	23	28	1948	1949	
140	Orion Nebula	M 42	5	30.00	-5	30	05	35	17.3	-05	23	28	1916	1935	
151	FU Orionis	V* FU Ori	5	39.90	9	2	05	45	22.36	+09	04	12.3	1941	1952	
144	T Orionis	V* T Ori	5	31.00			05	35	50.45	-05	28	35.0	1941		
159	HD 41753	HD 41753	6	2.00			06	07	34.3249	+14	46	06.498	1938		
161	HD 42087	HD 42087	6	4.00			06	09	43.9847	+23	06	48.478	1939		
160	DM +20 1284	HD 42088	6	3.70	20	31	06	09	39.5737	+20	29	15.453	1916		
162	WY Geminorum	HD 42474	6	6.00			06	11	56.2491	+23	12	25.411	1941	1950	
163	BU Geminorum	HD 42543	6	6.30			06	12	19.0984	+22	54	30.651	1947		
164	Eta Geminorum	HD 42995	6	9.00			06	14	52.6572	+22	30	24.476	1950	1963	
166	HD 44112	HD 44112	6	15.00			06	19	42.7984	-07	49	22.471	1938		

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167	HR 2284	HD 44458	6	16.80			06	21	24.7153	-11	46	23.657	1930	1960	
165	Mu Geminorum	HD 44478	6	14.70	22		1	06	22	57.6270	+22	30	48.909	1930	
168	V Monocerotis	HD 44639	6	17.70	-2		9	06	22	43.5825	-02	11	43.501	1915	
169	Beta Canis Majoris	HD 44743	6	18.30	-17		54	06	22	41.9853	-17	57	21.304	1931	1950
170	RT Aurigae 48	HD 45412	6	22.10	30		34	06	28	34.0889	+30	29	34.921	1916	
171	Nu Geminorum	HD 45542	6	23.00			06	28	57.7867	+20	12	43.679	1915	1956	
172	Beta Monocerotis	HD 45726J	6	24.00	-6		58	06	28	49.45	-07	02	03.5	1913	1960
173	AX Monocerotis	HD 45910	6	25.00	5		57	06	30	32.9376	+05	52	01.198	1941	1958
174	13 Monocerotis	HD 46300	6	28.00			06	32	54.2273	+07	19	58.674	1937	1938	
175	49 Aurigae	HD 46553	6	29.00			06	35	12.0615	+28	01	20.329	1934		
177	Gamma Geminorum	HD 47105	6	35.00			06	37	42.7011	+16	23	57.308	1938		
176	53 Aurigae	HD 47152	6	32.00			06	38	23.0067	+28	59	03.673	1932		
178	HD 48977	HD 48977	6	41.00			06	46	32.4158	+08	35	13.750	1939		
179	Nova Geminorum #2	HD 50480	6	48.40	32		16	06	54	54.37	+32	08	28.1	1912	1913
180	HD 50896	HD 50896	6	50.00			06	54	13.0441	-23	55	42.011	1941		
181	R Lyncis	HD 51610	6	53.00	55		27	07	01	18.0093	+55	19	49.766	1915	
182	Epsilon Canis Majoris	HD 52089	6	55.00	-28		50	06	58	37.5485	-28	58	19.501	1937	1950
183	DM -3 1685	HD 52432	6	56.10	-3		6	07	01	01.9531	-03	15	09.140	1915	
184	Zeta Geminorum	HD 52973	6	58.20	20		43	07	04	06.5318	+20	34	13.069	1913	1925
186	Delta Canis Majoris	HD 54605	7	4.00			07	08	23.4843	-26	23	35.519	1913	1937	
188	U Monocerotis	HD 59693	7	26.00			07	30	47.4681	-09	46	36.803	1933	1953	
517	Alpha Canis Minoris	HD 61421	7	34.10	5		9	07	39	18.1183	+05	13	29.975	1912	1936
190	Beta Geminorum	HD 62509	7	39.20	28		16	07	45	18.9503	+28	01	34.315	1912	1941
191	Zeta Puppis	HD 66811	8	0.10	-39		43	08	03	35.0467	-40	00	11.332	1918	
192	29 Monocerotis	HD 67594	8	3.60	-2		42	08	08	35.6479	-02	59	01.629	1926	1927
194	Beta Cancri	HD 69267	8	11.10	9		30	08	16	30.9206	+09	11	07.961	1913	
195	Omicron Ursae Majoris	HD 71369	8	22.00	61		3	08	30	15.8700	+60	43	05.409	1926	1936
196	RZ Cancri	HD 73343	8	33.00	32		6	08	39	08.5397	+31	47	44.476	1929	1941
197	HD 74280	HD 74280	8	38.00			08	43	13.4752	+03	23	55.184	1938		
198	Epsilon Hydrae	HD 74874	8	41.50	6		47	08	46	46.5106	+06	25	07.713	1916	
199	S Hydrae	HD 76011	8	48.40	3		27	08	53	33.9463	+03	04	06.486	1915	
200	T Hydrae	HD 76400	8	50.80	8		46	08	55	39.8443	-09	08	29.356	1915	
202	Iota Ursae Majoris	HD 76644	8	54.00			08	59	12.4539	+48	02	30.575	1935		
201	BD +34 1927	HD 76731	8	52.70	54		28	08	59	06.1037	+33	39	04.532	1915	
193	Nova Puppis	V* CP Pup	8	9.60	-35		3	08	11	46.07	-35	21	05.0	1942	1943
203	F Ursae Majoris [SAO 27136]	HD 78209	9	1.90	52		0	09	08	52.2563	+51	36	16.734	1921	1948
204	Tau Ursae Majoris	HD 78362	9	3.00	63		54	09	10	55.0609	+63	30	49.078	1948	
205	RS Cancri	HD 78712	9	5.00			09	10	38.7990	+30	57	47.300	1931	1935	
206	BD +14 2048	HD 79319	9	8.30	14		37	09	13	50.0829	+14	12	39.192	1915	
208	Theta Ursae Majoris	HD 82328	9	29.00			09	32	51.4343	+51	40	38.281	1936		
209	Omicron Leonis	HD 83808	9	35.80	10		21	09	41	09.0328	+09	53	32.309	1926	1934
210	15 Leonis F	HD 84107	9	37.70	30		27	09	43	33.2600	+29	58	28.104	1915	
211	R Leonis Minoris	HD 84346	9	39.60	34		58	09	45	34.2831	+34	30	42.775	1915	
212	Epsilon Leonis	HD 84441	9	40.20	24		13	09	45	51.0730	+23	46	27.317	1926	1936
213	R Leonis	HD 84748	9	42.20	11		54	09	47	33.4904	+11	25	43.646	1913	
218	Gamma Leonis 41	CCDM J10199+1951AI	10	14.50	20		21	10	19	58.3545	+19	50	29.359	1914	1948
214	21 Leonis Minoris	HD 87696	10	1.60	35		44	10	07	25.7615	+35	14	40.896	1915	
215	Eta Leonis 30	HD 87737	10	1.90	17		15	10	07	19.9523	+16	45	45.592	1913	1938

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			RA Hrs	RA Min	Dec Deg	Dec Min	RA hrs	RA min	RA secs	Dec Deg	Dec Min	Dec Secs			
216	32 Alpha Leonis Regulus	HD 87901	10	3.00	12	27	10	08	22.3107	+11	58	01.945	1912	1950	
217	U Ursae Majoris	HD 88651	10	8.00				10	15	07.6671	+59	59	07.942	1932	
219	30 Leonis Minoris	HD 90277	10	20.20	34	18	10	25	54.8143	+33	47	46.033	1914		
221	33 Leonis Minoris	HD 91130	10	26.20	32	54	10	31	51.3757	+32	22	46.396	1915		
222	Rho Leonis	HD 91316	10	28.00	9	49	10	32	48.6719	+09	18	23.708	1913	1950	
223	49 Leonis	HD 91636	10	30.00				10	35	02.1589	+08	39	01.532	1933	1934
224	U Hydrae	HD 92055	10	32.60	-12	52	10	37	33.2725	-13	23	04.354	1915		
225	R Ursae Majoris	HD 92763	10	37.60	69	18	10	44	38.4708	+68	46	32.697	1914	1932	
226	42 Leonis Minoris	HD 93152	10	40.30	31	13	10	45	51.8941	+30	40	56.328	1914		
227	Beta Ursa Majoris	HD 95418	10	56.00				11	01	50.4768	+56	22	56.736	1932	1940
228	Alpha Ursa Majoris	HD 95689	10	58.00				11	03	43.6687	+61	45	03.720	1933	
229	Chi Leonis	HD 96097	10	59.90	7	53	11	05	01.0273	+07	20	09.626	1925		
235	Lambda Draconis 1	HD 100029	11	25.50	69	53	11	31	24.2205	+69	19	51.873	1915		
237	Beta Leonis 94	HD 102647	11	44.00	15	8	11	49	03.5776	+14	34	19.417	1912	1948	
238	Gamma Ursae Majoris 64	HD 103287	11	48.60	54	15	11	53	49.8475	+53	41	41.136	1912	1935	
232	Delta Leonis 68	HD 97603	11	9.00	21	4	11	14	06.5013	+20	31	25.381	1912	1933	
231	Theta Leonis	HD 97633	11	9.00	15	59	11	14	14.4052	+15	25	46.453	1916	1937	
233	55 Ursae Majoris	HD 98353	11	13.70	38	44	11	19	07.9010	+38	11	08.004	1915	1916	
234	57 Ursae Majoris	HD 99787	11	23.70	39	54	11	29	04.1219	+39	20	13.108	1915		
240	Omicron Virginis	HD 104979	12	0.10	9	17	12	05	12.5396	+08	43	58.748	1925		
241	R Corvi [SAO 157211]	HD 107199	12	14.40	-18	42	12	19	37.8719	-19	15	21.844	1915		
242	Kappa Draconis 5	HD 109387	12	29.10	70	20	12	33	28.9443	+69	47	17.656	1912	1959	
243	T Ursae Majoris	HD 109729	12	31.80	60	2	12	36	23.4660	+59	29	12.982	1914		
244	R Virginis	HD 109914	12	33.40	7	32	12	38	29.9349	+06	59	19.028	1915		
245	S Ursae Majoris	HD 110813	12	39.60	61	38	12	43	56.6758	+61	05	35.509	1915		
246	Y Canum Venaticorum	HD 110914	12	40.00				12	45	07.8270	+45	26	24.922	1931	1935
247	DM +46 1817	HD 110914	12	40.40	45	58	12	45	07.8270	+45	26	24.922	1915		
249	77 Ursae Majoris Epsilon	HD 112185	12	49.60	56	30	12	54	01.7494	+55	57	35.356	1917		
250	Alpha Canum Venaticorum	HD 112413	12	51.00				12	56	01.6674	+38	19	06.167	1913	1932
251	Epsilon Virginis	HD 113226	12	57.20	11	30	13	02	10.5971	+10	57	32.941	1925		
255	PGC 3459	APMBGC 151+079-004	13	16.70	2	37	00	57	54.9	-54	42	30	1917		
262	Groombridge 2044 or PGC 3552	ESO 113-1	13	42.00	41	36	00	59	25.4	-60	21	22	1916	1917	
252	SD -19 3634	HD 113801	13	1.10	-19	31	13	06	24.8029	-20	03	31.464	1919		
254	20 Canum Venaticorum	HD 115604	13	13.10	41	6	13	17	32.5406	+40	34	21.387	1926	1927	
256	Zeta 1 Ursae Majoris 79	HD 116656	13	19.90	55	27	13	23	55.5429	+54	55	31.302	1912	1950	
257	Zeta 2 Ursae Majoris	HD 116657	13	20.00				13	23	56.41	+54	55	18.1	1912	1950
258	g 80 Ursae Majoris Alcor	HD 116842	13	21.20	55	30	13	25	13.5379	+54	59	16.648	1912	1950	
259	R Hydrae	HD 117287	13	24.20	-22	46	13	29	42.7803	-23	16	52.792	1914		
260	Zeta Virginis 79	HD 118098	13	29.60	0	5	13	34	41.5920	-00	35	44.953	1916		
261	81 Ursae Majoris	HD 118214	13	30.30	55	52	13	34	07.3059	+55	20	54.361	1919		
263	Tau Bootis 4	HD 120136	13	42.50	17	57	13	47	15.7429	+17	27	24.862	1916		
264	Eta Ursae Majoris 85	HD 120315	13	43.60	49	49	13	47	32.4377	+49	18	47.754	1912	1921	
265	R Canis Venaticorum	HD 120499	13	44.60	40	2	13	48	57.0435	+39	32	33.191	1914		
276	Epsilon Bootis	CCDM J14449+2704AI	14	40.60	27	30	14	44	59.2177	+27	04	27.201	1912	1927	
267	Alpha Draconis 11	HD 123299	14	1.70	64	51	14	04	23.3498	+64	22	33.062	1919	1934	
268	12 Bootis	HD 123999	14	5.80	25	34	14	10	23.9336	+25	05	30.037	1925		
269	HR 5313	HD 124224	14	7.20	2	53	14	12	15.8043	+02	24	33.958	1919		
270	Alpha Bootis	HD 124897	14	11.00				14	15	39.6720	+19	10	56.677	1911	1946

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			RA Hrs	RA Min	Dec Deg	Dec Min	RA hrs	RA min	RA secs	Dec Deg	Dec Min	Dec Secs		
271	A Bootis	HD 125351	14	13.80	35	58	14	17	59.8196	+35	30	34.219	1915	
273	V Bootis	HD 127335	14	25.70	39	18	14	29	45.2669	+38	51	40.648	1914	1915
274	Gamma Bootis	HD 127762	14	28.10	38	45	14	32	04.6719	+38	18	29.709	1925	1948
275	R Bootis	HD 128609	14	32.80	27	19	14	37	11.5787	+26	44	11.663	1915	
277	Beta Ursae Minoris	HD 131873	14	51.00	74	34	14	50	42.3264	+74	09	19.818	1912	1920
279	Delta Librae	HD 132742	14	56.00	8	12	15	00	58.3486	-08	31	08.195	1924	
278	40 Bootis	HD 132772	14	55.80	39	40	14	59	36.9472	+39	15	55.200	1915	
283	Mu 2 Bootis	ADS 9026	15	20.70	37	44	15	25	+37.4				1925	
280	Beta Librae 27	HD 135742	15	11.60	-9	1	15	17	00.4148	-09	22	58.503	1912	1915
281	U Coronae Borealae [U CrB]	HD 136175	15	14.10	32	1	15	18	11.3524	+31	38	49.420	1917	
282	S Coronae Borealae [S CrB]	HD 136753	15	17.30	31	44	15	21	23.9556	+31	22	02.585	1914	1915
284	3 Beta Coronae Borealae [Beta CrB]	HD 137909	15	23.70	29	27	15	27	49.7308	+29	06	20.530	1916	1926
285	Beta Coronae Borealae	HD 137909	15	24.00		15	27		49.7308	+29	06	20.530	1935	
286	Theta 4 Coronae Borealae [4 CrB]	HD 138749	15	28.90	31	42	15	32	55.7825	+31	21	32.880	1914	1933
287	5 Alpha Coronae Borealae [alpha CrB]	HD 139006	15	30.50	27	3	15	34	41.2681	+26	42	52.895	1914	1937
288	Iota Serpentis	HD 140159	15	37.00		15	41		33.0552	+19	40	13.442	1942	
289	RR Coronae Borealae [RR CrB]	HD 140297	15	38.00		15	41		26.2286	+38	33	26.599	1933	1941
290	Gamma Coronae Borealae [Gamma CrB]	HD 140436	15	38.50	26	37	15	42	44.5650	+26	17	44.295	1928	1933
291	Alpha Serpentis 24	HD 140573	15	39.30	6	44	15	44	16.0749	+06	25	32.257	1912	1913
292	HR 5857 Draconis	HD 140728	15	40.20	52	40	15	42	50.7598	+52	21	39.249	1919	
294	25 Serpentis	HD 140873	15	41.00		15	46		05.6371	-01	48	15.094	1929	1934
295	R Coronae Borealae [R CrB]	HD 141527	15	44.50	28	28	15	48	34.4149	+28	09	24.296	1929	1935
296	Delta Coronae Borealae [Delta CrB]	HD 141714	15	45.00		15	49		35.6462	+26	04	06.220	1933	
297	R Serpentis	HD 141850	15	46.10	15	26	15	50	41.7341	+15	08	01.108	1914	1915
298	R Serpentis	HD 141850	15	48.00	15	17	15	50	41.7341	+15	08	01.108	1960	
299	Lambda 12 Coronae Borealae [12 CrB]	HD 142908	15	52.10	38	14	15	55	47.5869	+37	56	49.048	1915	
300	48 Librae	HD 142983	15	52.60	-13	59	15	58	11.3689	-14	16	45.691	1939	1960
301	Epsilon Coronae Borealae [Epsilon CrB]	HD 143107	15	53.40	27	10	15	57	35.2518	+26	52	40.368	1913	
302	T Coronae Borealae [T CrB]	HD 143454	15	55.32	26	12	15	59	30.1611	+25	55	12.601	1941	1960
293	Nova CT Serpantis 1948	V* CT Ser	15	41.00	14	41	15	45	38.97	+14	22	32.7	1948	
303	X Herculis	HD 144205	16	0.00		16	02		39.1739	+47	14	25.279	1931	1947
304	SX Herculis	HD 144921	16	3.00		16	07		27.2521	+24	54	29.927	1941	
305	IC II 4593 [IC 4593]	HD 145649	16	7.00		16	11		44.544	+12	04	17.06	1942	
306	Delta Ophiuchi 1	HD 146051	16	9.10	-3	26	16	14	20.7395	-03	41	39.563	1917	
307	Chi Ophiuchi 7	HD 148184	16	21.20	-18	14	16	27	01.4349	-18	27	22.504	1913	1960
308	U Herculis	HD 148206	16	21.40	19	7	16	25	47.4713	+18	53	32.867	1915	
309	Eta Draconis	HD 148387	16	23.00		16	23		59.4861	+61	30	51.167	1936	
310	g Herculis	HD 148783	16	25.00		16	28		38.5477	+41	52	54.038	1931	1949
311	Beta Herculis	HD 148856	16	25.90	21	42	16	30	13.1999	+21	29	22.608	1925	1946
312	Tau Scorpii	HD 149438	16	29.70	-28	0	16	35	52.9537	-28	12	57.658	1931	1950
313	W Herculis	HD 149749	16	31.70	37	32	16	35	12.317	+37	20	42.88	1915	
314	Zeta Ophiuchi	HD 149757	16	32.00		16	37		09.5378	-10	34	01.524	1941	1950
315	Zeta Herculis	HD 150680	16	39.00		16	41		17.1603	+31	36	09.812	1935	
316	Eta Herculis	HD 150997	16	39.50	39	7	16	42	53.7653	+38	55	20.116	1925	
317	52 Herculis	HD 152107	16	46.30	46	10	16	49	14.2185	+45	58	59.963	1917	
318	S Herculis 49	HD 152276	16	47.50	15	9	16	51	53.9203	+14	56	30.761	1914	1915
319	Kappa Ophiuchi	HD 153210	16	53.00		16	57		40.0973	+09	22	30.118	1931	
321	Epsilon Ursa Minoris	HD 153751	16	56.20	82	12	16	45	58.2438	+82	02	14.143	1925	1926

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320	Epsilon Herculis	HD 153808	16	56.00			17	00	17.3738	+30	55	35.057	1932	1934	
322	SY Herculis	V* SY Her	16	57.00			17	01	29.2530	+22	28	38.707	1941		
323	R Ophiuchi	HD 154721	17	2.00	-15	58	17	07	45.785	-16	05	33.98	1915		
324	64 Alpha Herculis (Brighter)	HD 156014	17	10.20	14	30	17	14	38.88	+14	23	25.0	1913	1930	
325	BD +42 2811	HD 156074	17	10.40	42	15	17	13	31.2418	+42	06	22.769	1915		
326	Z Ophiuchi	HD 156801	17	14.50	1	37	17	19	32.1165	+01	30	54.215	1914		
327	RS Herculis 73	HD 157330	17	19.90	23	3	17	21	42.3568	+22	55	16.031	1915		
328	HD 157978-9	HD 157978	17	21.50	7	41	17	26	19.0097	+07	35	44.341	1946	1955	
329	Beta Draconis 23	HD 159181	17	28.20	52	23	17	30	25.9620	+52	18	04.994	1925	1936	
330	Alpha Ophiuchi 55	HD 159561	17	30.30	20	38	17	34	56.0705	+12	33	36.125	1912	1933	
332	Beta Ophiuchi 60	HD 161096	17	38.50	4	37	17	43	28.3531	+04	34	02.290	1913		
331	XX Ophiuchi	HD 161114	17	38.00	-6	13	17	43	56.4972	-06	16	08.750	1960		
334	Mu Herculis 86	HD 161797	17	42.50	27	47	17	46	27.5269	+27	43	14.434	1913	1936	
335	Nova Ophiuchi No. 3	HD 162214	17	44.83	-6	41	17	50	13.202	-06	42	28.48	1933	1952	
336	Nu Herculis	HD 164136	17	54.00	30	12	17	58	30.1494	+30	11	21.396	1925	1926	
337	67 Ophiuchi	HD 164353	17	56.00	2	54	18	00	38.7157	+02	55	53.643	1931		
338	NGC 6543	HD 164963	17	59.00				17	58	33.423	+66	37	59.52	1941	1958
333	Nove Scorpii (wrong star)	V* V719 Sco	17	42.40	-33	59	17	45	43.71	-34	00	55.1	1950		
339	70 Ophiuchi	HD 165341	18	0.40	2	30	18	05	27.2855	+02	30	00.358	1931		
340	HD 165402	HD 165402	18	1.00				18	06	07.3995	-08	19	26.240	1942	
341	HD 165763	HD 165763	18	2.00				18	08	28.4686	-21	15	11.191	1942	
342	Omicron Herculis 103	HD 166014	18	3.60	28	15	18	07	32.5507	+28	45	44.959	1913		
343	Delta Ursa Minoris	HD 166205	18	4.00				17	32	13.0005	+86	35	11.258	1935	
345	T Herculis	HD 166382	18	5.40	3	26	18	09	06.2107	+31	01	16.210	1914		
346	W Lyrae	HD 167740	18	11.50	36	38	18	14	55.8783	+36	40	13.233	1914		
347	HD 168206	HD 168206	18	14.00				18	19	07.3656	-11	37	59.173	1942	
348	D Serpentes 59	HD 169985	18	22.10	0	8	18	27	12.5084	+00	11	45.990	1911	1955	
349	Phi Draconis 43	HD 170000	18	22.20	71	17	18	20	45.4304	+71	20	16.132	1919		
351	Alpha Lyrae 3 Vega	HD 172167	18	33.60	38	41	18	36	56.3364	+38	47	01.291	1912	1959	
350	X Ophiuchi	HD 172171	18	33.60	8	44	18	38	21.1255	+08	50	02.807	1914		
352	R Scuti	HD 173819	18	42.20	-5	49	18	47	28.9503	-05	42	18.529	1911	1942	
353	111 Hercules	HD 173880	18	42.60				18	47	01.2738	+18	10	53.468	1946	
354	Nova Aquilae	HD 174107	18	44.80	0	30	18	48	54.6366	+00	35	02.863	1918	1950	
356	Beta Lyrae	HD 174638	18	46.40	33	15	18	50	04.7947	+33	21	45.601	1911	1934	
357	Ring Nebulae Lyra [M57]	HD 175353	18	49.90	32	54	18	53	35.08	+33	01	45.0	1918		
358	113 Herculis	HD 175492	18	50.50	22	31	18	54	44.872	+22	38	42.10	1938	1952	
361	Gamma Lyrae 14	HD 176437	18	55.20	32	33	18	58	56.6227	+32	41	22.407	1911	1928	
362	DM -5 4858	HD 177336	18	58.10	-5	50	19	04	24.1553	-05	41	05.434	1914		
355	V Lyrae 9	HD 178876	18	46.20	32	26	19	09	03.8	+29	39	24	1919		
344	Nova Herculis	V* DQ Her	18	4.68	45	51	18	07	30.17	+45	51	31.9	1934	1938	
359	Nova Scuti 1949	V* EU Sct	18	50.90	-4	20	18	56	13.00	-04	12	32.7	1949		
360	Nova Herculis 1960	V* V446 Her	18	51.00	13	0	18	57	21.51	+13	14	29.9	1960		
366	Omicron Sagittarii	HD 177241	19	16.00				19	04	40.9817	-21	44	29.384	1938	
364	NGC 6751	HD 177656	19	1.00				19	05	55.56	-05	59	32.9	1941	
365	Zeta Aquilae	HD 177724	19	3.00	13	47	19	05	24.6082	+13	51	48.521	1960		
363	Lamda Aquilae	HD 177756	19	0.90	-5	2	19	06	14.9384	-04	52	57.195	1915		
367	Upsilon Sagittarii	HD 181615	19	16.00	16	8	19	21	43.6231	-15	57	18.063	1924	1959	
368	DM -10 5057	HD 182040	19	17.70	-10	53	19	23	10.0775	-10	42	11.543	1914		

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371	Delta Aquilae	HD 182640	19	20.50	2	55	19	25	29.9005	+03	06	53.191	1913	1932	
373	RR Lyræ	HD 182989	19	22.30	42	36	19	25	27.9129	+42	47	03.696	1916		
374	4 Cygni	HD 183056	19	22.60	36	7	19	26	09.1269	+36	19	04.427	1919		
375	DM +76 734	HD 183556	19	25.10	76	23	19	21	35.5164	+76	33	34.545	1914		
376	Beta Cygni [SAO 87301]	HD 183912	19	26.70	27	45	19	30	43.2806	+27	57	34.852	1947	1954	
377	AF Cygni	HD 184008	19	27.00		19	30	12.8543	+46	08	52.081	1933	1941		
378	DM +30 3639	HD 184738	19	30.80	30	18	19	34	45.2323	+30	30	58.936	1918		
379	RT Aquilae	HD 185293	19	32.10	11	3	19	38	01.6032	+11	43	18.228	1914		
380	RT Cygni	HD 186686	19	40.80	48	32	19	43	37.7677	+48	46	41.345	1914		
381	NGC 6826	HD 186924	19	42.10	50	17	19	44	48.150	+50	31	30.26	1914	1941	
382	Delta Sagittae	HD 187076J	19	42.90	18	17	19	47	23.2624	+18	32	03.430	1937	1960	
383	HD 187282	HD 187282	19	44.00		19	48	32.1981	+18	12	03.684	1941			
384	Alpha Aquilae	HD 187642	19	45.90	8	36	19	50	46.9990	+08	52	05.959	1911	1946	
386	Chi Cygni	HD 187796	19	46.70	32	40	19	50	33.9220	+32	54	50.610	1915	1942	
387	Eta Aquilae	HD 187929	19	47.40	0	45	19	52	28.3679	+01	00	20.378	1923	1935	
389	S Sagittae 10	HD 188727	19	51.50	16	22	19	56	01.2640	+16	38	05.277	1914	1923	
391	HD 190429	HD 190429	19	59.00		20	03	29.3991	+36	01	30.504	1941	1942		
392	DM +35 3930	HD 190429	19	59.80	35	45	20	03	29.3991	+36	01	30.504	1918	1921	
370	BF Cygni	V* BF Cyg	19	20.00	29	29	19	23	53.506	+29	40	29.22	1942	1959	
385	CI Cygni	V* CI Cyg	19	46.50	35	26	19	50	11.8339	+35	41	03.003	1942	1958	
372	Nova 368 Aquilae (October 1936)	V* V368 Aql	19	21.70	7	24	19	26	34.41	+07	36	13.6	1936		
388	Nova 465 Cygni 1948	V* V465 Cyg	19	48.90	36	18	19	52	37.61	+36	33	52.6	1948		
390	Nova Cygni #3 1920	V* V476 Cyg	19	55.90	53	21	19	58	24.57	+53	37	07.1	1920		
393	HD 190864	HD 190864	20	2.00		20	05	39.8023	+35	36	27.987	1942			
394	HD 190918	HD 190918	20	2.00		20	05	57.3242	+35	47	18.140	1941	1942		
396	BD +35 3953	HD 190918	20	2.20	35	31	20	05	57.3242	+35	47	18.140	1914	1921	
395	HD 190919	HD 190919	20	2.00		20	05	56.1614	+35	40	19.495	1942			
398	b2 Cygni 28	HD 191610	20	5.70	36	33	20	09	25.6191	+36	50	22.638	1911	1958	
401	Theta Aquilae	HD 191692	20	6.00		20	11	18.2855	-00	49	17.260	1932			
399	HD 191765	HD 191765	20	6.00		20	10	14.1928	+36	10	35.068	1941			
402	DM +35 4001	HD 191765	20	6.50	35	53	20	10	14.1928	+36	10	35.068	1919	1924	
403	20 Vulpeculae	HD 192044	20	8.00		20	12	00.7015	+26	28	43.704	1917	1950		
404	DM +35 4013	HD 192103	20	8.10	35	54	20	11	53.5272	+36	11	50.529	1918	1920	
405	BD +37 3821	HD 192163	20	8.40	38	3	20	12	06.5421	+38	21	17.779	1914	1918	
407	31 Cygni	HD 192577	20	10.50	46	26	20	13	37.904	+46	44	28.87	1937	1960	
408	DM +36 3956	HD 192641	20	10.80	36	21	20	14	31.7671	+36	39	39.601	1919	1923	
409	HD 192641	HD 192641	20	11.00		20	14	31.7671	+36	39	39.601	1941			
410	32 Cygni	HD 192641	20	12.30	46	35	20	14	31.7671	+36	39	39.601	1937	1960	
397	DM +36 3959	HD 192661	20	2.70	35	42	20	14	39.6181	+36	45	07.451	1918		
411	HD 193077	HD 193077	20	13.00		20	17	00.0273	+37	25	23.773	1941			
412	DM +36 3987	HD 193077	20	13.30	37	7	20	17	00.0273	+37	25	23.773	1917	1918	
413	P Cygni	HD 193237	20	14.00		20	17	47.2018	+38	01	58.549	1911	1958		
414	35 Cygni	HD 193370	20	14.80	34	40	20	18	39.0699	+34	58	57.990	1913		
415	Beta Capricorni	HD 193495	20	15.00		20	21	00.6757	-14	46	52.922	1933	1938		
417	DM +38 4010	HD 193576	20	15.80	38	25	20	19	32.4218	+38	43	53.961	1919		
418	HD 193576	HD 193576	20	16.00		20	19	32.4218	+38	43	53.961	1941			
420	HD 193793	HD 193793	20	17.00		20	20	27.9759	+43	51	16.274	1941			
421	DM +43 3571	HD 193793	20	17.10	43	32	20	20	27.9759	+43	51	16.274	1914	1918	

PARI Reference Number	University of Michigan - Ann Arbor Spectral Plate Identification	Simbad Identification	Epoch 1900 Coordinates				ICRS 2000.0 Coordinates							First Plate Date	Last Plate Date
			RA Hrs	RA Min	Dec Deg	Dec Min	RA hrs	RA min	RA secs	Dec Deg	Dec Min	Dec Secs			
422	25 Vulpeculae	HD 193911	20	17.70	24	7	20	22	03.4307	+24	26	45.957	1917	1950	
423	HD 193928	HD 193928	20	18.00		20	21	31.7278	+36	55	12.777	1941			
424	Gamma Cygni	HD 194093	20	18.60		20	22	13.7019	+40	15	24.045	1912	1949		
426	HD 196775	HD 196775	20	34.00		20	39	04.9672	+15	50	17.516	1939			
427	Alpha Delphini	HD 196867	20	35.00		20	39	38.2874	+15	54	43.459	1938			
425	Alpha Cygni Deneb	HD 197345	20	28.00	44	55	20	41	25.9147	+45	16	49.217	1912	1949	
428	Lambda Cygni	HD 198183	20	43.00	36	7	20	47	24.5378	+36	29	26.580	1926	1950	
429	HD 199140	HD 199140	20	50.00		20	54	22.3943	+28	31	19.186	1933			
431	DM +44 3639	HD 199579	20	53.10	44	33	20	56	34.7779	+44	55	28.999	1918		
433	f Cygni 59	HD 200120	20	56.00	47	8	20	59	49.5565	+47	31	15.424	1911	1960	
434	R Vulpeculae	HD 200687	20	59.90	23	26	21	04	22.5021	+23	49	18.072	1914		
419	V Sagittae	V* V Sge	20	16.00		20	20	14.693	+21	06	10.40	1941			
436	61 Cygni A	ADS 14636 AB	21	2.00		21	06	54.6	+38	44	45	1933			
437	61 Cygni B	ADS 14636 AB	21	2.00		21	06	54.6	+38	44	45	1933			
435	HD 200775 BD +67 1283	HD 200775	21	0.40	67	47	21	01	36.9198	+68	09	47.763	1950	1957	
438	T Cephei	HD 202012	21	8.20	68	5	21	09	31.7819	+68	29	27.206	1914	1950	
439	Sigma Cygni	HD 202850	21	13.50	38	59	21	17	24.9529	+39	23	40.853	1911	1916	
440	Upsilon Cygni 66	HD 202904	21	14.00	34	29	21	17	55.0764	+34	53	48.832	1920	1960	
442	HD 203245	HD 203245	21	16.00		21	19	28.7505	+49	30	37.058	1939			
444	6 Cephei	HD 203467	21	17.30	64	27	21	19	22.2201	+64	52	18.679	1916	1959	
447	Beta Cephei	HD 205021	21	27.40	70	7	21	28	39.5971	+70	33	38.578	1912	1939	
445	Rho Cygni	HD 205435	21	22.00		21	33	58.8525	+45	35	30.615	1930	1931		
449	Epsilon Capricorni 39	HD 205637	21	31.50	-19	54	21	37	04.8311	-19	27	57.642	1921	1959	
450	W Cygni	HD 205730	21	32.20	44	56	21	36	02.4957	+45	22	28.529	1914	1942	
451	74 Cygni	HD 205835	21	32.90	39	58	21	36	56.9759	+40	24	48.675	1914		
452	9 Cephei	HD 206165	21	35.00		21	37	55.2245	+62	04	54.983	1937	1940		
453	BD +56 2617	HD 206267	21	35.90	57	2	21	38	57.6184	+57	29	20.535	1918	1933	
454	DM +34 4500	HD 206570	21	37.80	35	3	21	42	01.0840	+35	30	36.722	1914		
455	Epsilon Pegasi 8	HD 206778	21	39.30	9	25	21	44	11.1581	+09	52	30.041	1912	1913	
456	Mu Cephei	HD 206936	21	40.40	58	19	21	43	30.4609	+58	46	48.166	1930	1936	
457	Delta Capricorni	HD 207098	21	42.00		21	47	02.4451	-16	07	38.229	1933	1934		
458	Nu Cephei	HD 207260	21	43.00		21	45	26.9255	+61	07	14.901	1937			
459	AG Pegasi	HD 207757	21	46.20	12	9	21	51	01.9749	+12	37	32.113	1915	1959	
460	VV Cephei	HD 208816	21	53.80	63	9	21	56	39.1437	+63	37	32.006	1932	1959	
461	HD 209008	HD 209008	21	55.00		22	00	07.9276	+06	43	02.775	1939			
462	Omicron Aquarii	HD 209409	21	58.10	-2	38	22	03	18.8441	-02	09	19.307	1917	1959	
463	DM +20 5071	HD 209621	21	59.70	20	34	22	04	25.1431	+21	03	08.991	1914		
465	19 Cephei	HD 209975	22	2.10	61	48	22	05	08.7891	+62	16	47.329	1917	1918	
464	Iota Pegasi	HD 210027	22	2.00		22	07	00.6661	+25	20	42.402	1933	1934		
466	25 Pegasi	HD 210129	22	3.00		22	07	50.3043	+21	42	10.532	1917	1956		
467	Lambda Cephei	HD 210839	22	8.10	58	56	22	11	30.5761	+59	24	52.155	1913	1949	
469	HD 211853	HD 211853	22	15.00		22	18	45.6051	+56	07	33.907	1941	1942		
470	31 Pegasi	HD 212076	22	16.60	11	42	22	21	31.0750	+12	12	18.670	1912	1960	
471	2 Lacertae	HD 212120	22	17.00		22	21	01.5467	+46	32	11.650	1934			
473	Pi Aquarii	HD 212571	22	20.20	0	52	22	25	16.6232	+01	22	38.642	1911	1960	
472	4 Lacertae	HD 212593	22	20.00		22	24	30.9911	+49	28	35.013	1937			
475	Delta Cephei	HD 213306	22	25.00	57	54	22	29	10.2663	+58	24	54.715	1924	1931	
476	5 Lacertae	HD 213311	22	25.40	47	12	22	29	31.8222	+47	42	24.792	1950	1953	

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			RA Hrs	RA Min	Dec Deg	Dec Min	RA hrs	RA min	RA secs	Dec Deg	Dec Min	Dec Secs			
477	BD+42 4420	HD 213420	22	29.00	42	26	22	30	29.2599	+43	07	24.153	1960		
480	BD +45 3983	HD 213871	22	32.00	45	52	22	33	37.5863	+46	33	54.966	1960		
478	Eta Aquarii	HD 213998	22	30.20	0	38	22	35	21.3806	-00	07	02.991	1913		
479	HD 214167 Lacertae 8	HD 214167	22	31.40	39	7	22	35	52.2853	+39	38	03.590	1912	1959	
481	W Cephei	HD 214369	22	33.00		22	36	27.5611	+58	25	33.943	1941	1948		
482	HD 214419	HD 214419	22	33.00		22	36	53.9541	+56	54	20.986	1941	1942		
484	10 Lacertae	HD 214680	22	34.80	38	32	22	39	15.6787	+39	03	00.969	1917	1955	
485	BD +45 4008	HD 214694	22	38.00	45	49	22	39	17.335	+46	01	02.13	1960		
486	BD +45 4011	HD 214819	22	38.00	45	55	22	40	03.8314	+46	06	41.477	1960		
487	BD +45 4015	HD 214945	22	39.00	45	58	22	41	03.9755	+46	10	24.768	1960		
488	Eta Pegasi	HD 215182	22	40.00		22	43	00.1374	+30	13	16.483	1935			
489	BD +41 4594	HD 215373	22	42.00	41	7	22	44	05.4790	+41	49	09.245	1960		
490	BD +45 4040	HD 215486	22	43.00	46	15	22	44	49.203	+46	27	27.27	1960		
492	BD +45 4061	HD 216002	22	47.00	45	52	22	48	23.8383	+46	05	29.730	1960		
493	BD +41 4623	HD 216200	22	49.00	41	14	22	50	21.7749	+41	57	12.217	1960		
494	BD +40 4926	HD 216369	22	50.00	40	36	22	51	49.4250	+41	18	46.675	1960		
495	HR 8731	HD 217050	22	52.70	48	9	22	57	04.5023	+48	41	02.645	1921	1959	
496	Omicron Andromedae	HD 217675	22	57.00		23	01	55.2643	+42	19	33.525	1937	1940		
497	Beta Piscium	HD 217891	22	58.80	3	17	23	03	52.6140	+03	49	12.163	1911	1959	
498	Beta Pegasi 53	HD 217906	22	58.90	27	32	23	03	46.4575	+28	04	58.041	1912	1946	
499	Alpha Pegasi 54	HD 218045	22	59.80	14	40	23	04	45.6538	+15	12	18.952	1912	1916	
468	Nova Lacertae 1936	V* CP Lac	22	12.00	55	7	22	15	41.07	+55	37	01.1	1936		
491	Nova DK Lacertae 1950	V* DK Lac	22	45.60	52	46	22	49	46.86	+53	17	18.3	1950	1951	
508	1 H Cassiopeiae	HD 218376	23	25.00		23	06	36.8176	+59	25	11.136	1933	1934		
500	HD 219460	HD 219460	23	11.00		23	15	12.3986	+60	27	01.820	1941			
501	W Pegasi	HD 219946	23	14.80	25	44	23	19	50.5009	+26	16	43.659	1914		
502	S Pegasi	HD 220033	23	15.50	8	22	23	20	32.6145	+08	55	08.143	1915		
503	64 Pegasi	HD 220222	23	17.00	31	16	23	21	54.9331	+31	48	44.873	1914		
504	67 Pegasi	HD 220599	23	19.90	31	50	23	24	50.8323	+32	23	05.574	1913		
505	NGC 7662	HD 220733	23	21.00		23	25	54.001	+42	32	06.03	1941			
506	BD +41 4773 Planetary Nebula	HD 220733	23	21.00	41	59	23	25	54.001	+42	32	06.03	1918	1920	
507	Kappa Piscium 8	HD 220825	23	21.80	0	42	23	26	55.9553	+01	15	20.189	1916		
509	Z Andromedae	HD 221650	23	28.80		23	33	39.9505	+48	49	05.947	1950	1959		
510	Z Andromedae	HD 221650	23	29.00		23	33	39.9505	+48	49	05.947	1941	1953		
511	19 Piscium	HD 223075	23	41.30	2	56	23	46	23.5165	+03	29	12.519	1913	1947	
512	DM +5 5223	HD 223392	23	44.00	5	50	23	49	05.4866	+06	22	56.637	1914		
513	Rho Cassiopeiae	HD 224014	23	49.40	56	57	23	54	23.0324	+57	29	57.776	1937	1957	
514	V Cephei	HD 224309	23	51.70	82	38	23	56	27.8001	+83	11	28.019	1919		
515	R Cassiopeia	HD 224490	23	53.30	50	50	23	58	24.8725	+51	23	19.703	1914		
516	WY Andromedae	SAO 53278	23	57.00		23	41	29.6885	+47	35	43.824	1941			

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10	Theta 24 Andromeda	HD 1280	4.679, 4.619	A2V	Variable Star	A2V
11	BD +50 46	HD 1337	5.955, 6.102	O9IIIInn+...	Eclipsing binary of beta Lyr type	O9IIIInn+...
12	T V Cassiopeia	HD 1486	7.32, 7.28	M4me...	Eclipsing binary of Algol type	M4me...
15	T Cassiopeia	HD 1845	10.14, 8.87	M7e	Variable Star of Mira Cet type	M7e
16	R Andromeda	HD 1967	9.36, 7.39, V4	Se...	Variable Star of Mira Cet type	Se...
13	HD 1976	HD 1976	5.467, 5.575	B5IV	Spectroscopic binary	B5IV
17	Kappa Cassiopeiae	HD 2905	4.276, 4.189	B1Iae	Emission-line Star	B1Iae
18	Pi Andromedae	HD 3369	4.276, 4.189	B5V	Spectroscopic binary	B5V
7	Alpha Andromeda	HD 358	1.95, 2.06	B8IVmnp...	Spectroscopic binary	B8IVmnp...
19	Alpha Cassiopeia 18	HD 3712	3.434, 2.252	K0IIIa	Variable Star	K0IIIa
20	HD 3901	HD 3901	4.681, 4.797	B2V	Variable Star	B2V
21	HD 4004	HD 4004	10.66, 10.12	WN...	Wolf-Rayet Star	WN...
22	Pi Cassiopeiae	HD 4058	10.66, 10.12	A5V	Spectroscopic binary	A5V
23	HD 4142	HD 4142	5.534, 5.646	B5V	Star	B5V
24	21 Cassiopeia	HD 4161	5.720, 5.653	A2IV	Eclipsing binary of Algol type	A2IV
6	Beta Cassiopeia 11	HD 432	2.61, 2.27	F2IV	Variable Star of delta Sct type	F2IV
25	Eta Cassiopeia (Brighter)	HD 4614	4.03, 3.45	G0V	Spectroscopic binary	G0V
26	Eta Cassiopeia (Fainter)	HD 4614B	8.90, 7.51	K7V	High proper-proper motion Star	K7V
27	Nu Andromedae	HD 4727	8.90, 7.51	B5V+...	Spectroscopic binary	B5V+...
28	Gamma Cassiopeia 27	HD 5394	2.29, 2.39, V	B0IVpe	Be Star	B0IVpe
29	Mu 37 Andromeda	HD 5448	4.000, 3.867	A5V	Star in double system	A5V
9	NGC 40 Nucleus	HD 826	2.60, 2.83, V2	WC...	Planetary Nebula	WC...
8	Gamma Pegasi	HD 886	2.60, 2.83, V2	B2IV	Variable Star of beta Cep type	B2IV
5	Bradley 132 (PGC 249)	MCG+06-01-009	15.,		Galaxy (S)	
43	Gamma Andromeda	gam And	3.63, 2.26	K2II	Double or multiple star	K2II
36	Phi Persei	HD 10516	4.00, 4.09	B2Vpe	Variable Star with rapid variations	B2Vpe
37	Tau Ceti	HD 10700	4.22, 3.50	G8V	High proper-proper motion Star	G8V
38	Epsilon Cassiopeia	HD 11415	3.218, 3.342	B3III	Variable Star	B3III
41	Alpha Trianguli	HD 11443	3.90, 3.41	F6IV	Spectroscopic binary	F6IV
39	Gamma Arietis (S)	HD 11502	4.8, 4.70	B9V	Star in double system	B9V
40	Beta Arietis	HD 11636	2.77, 2.64, V?	A5V	Spectroscopic binary	A5V
42	Epsilon 3 Triangulum	HD 12471	5.555, 5.516	A2V	Variable Star	A2V
30	Beta Andromeda	HD 6860	3.64, 2.06	M0III	Variable Star	M0III
31	45 Andromedae	HD 7019	5.690, 5.784	B7III-IV	Double or multiple star	B7III-IV
32	Delta Cassiopeia	HD 8538	2.81, 2.68, V1	A5III-IVvar	Variable Star	A5III-IVvar
33	Alpha Ursae Minores	HD 8890	2.591, 2.005	F7:Ib-livar	Classical Cepheid (delta Cep type)	F7:Ib-livar
34	R Piscium	HD 9203	, 6.9, V4	M4e	Variable Star of Mira Cet type	M4e
44	Kappa Arietis	HD 12869	5.157, 5.030	A2m	Spectroscopic binary	A2m
45	Alpha Arietis	HD 12929	3.15, 2.00, V?	K2III	Variable Star	K2III
46	R Arietis 21	HD 13913	9.89, 8.42	M3e	Variable Star of Mira Cet type	M3e
47	W Andromeda	HD 14028	9.62, 8.56	M7:p	Variable Star of Mira Cet type	M7:p
48	Gamma 9 Triangulum	HD 14055	4.03, 4.00	A1Vnn	Star	A1Vnn
49	Omincron Ceti	HD 14386	4.46, 3.04, V4	M7IIIe	Variable Star of Mira Cet type	M7IIIe
50	DM +58 467	HD 14947	8.40, 8.05	O6e...	Emission-line Star	O6e...
51	BD -10 513	HD 16115	9.36, 8.15	C...	Carbon Star	C...
52	HD 16523	HD 16523	10.34, 9.99	WC+...	Eruptive variable Star	WC+...
53	Delta Ceti	HD 16582	3.85, 4.07, V1	B2IV	Variable Star of beta Cep type	B2IV
54	Pi Ceti 89	HD 17081	4.123, 4.235	B7IV	Star	B7IV

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55	RZ Cassiopeia	HD 17138	6.408, 6.267	A3Vvar+...	Eclipsing binary of Algol type	A3Vvar+...
56	Tau Persei	HD 17879	4.661, 3.944	G4III+...	Eclipsing binary of Algol type	G4III+...
57	21 Perseus	HD 18296	5.085, 5.096	B9p...	Variable Star of alpha2 CVn type	B9p...
58	Alpha Ceti	HD 18884	4.220, 2.560	M1.5IIla	Variable Star	M1.5IIla
59	Gamma Persei	HD 18925	3.618, 2.947	G8III+...	Eclipsing binary of Algol type	G8III+...
60	25 Persei	HD 19058	4.95, 3.42	M4II	Semi-regular pulsating Star	M4II
61	Beta Persei Algol	HD 19356	2.07, 2.12, V3	B8V	Eclipsing binary of Algol type	B8V
62	BD +57 702	HD 19557	9.89, 7.57	R...	Carbon Star	R...
64	HR 985	HD 20336	4.621, 4.728	B2.5Vne	Emission-line Star	B2.5Vne
63	HD 20365	HD 20365	5.085, 5.158	B3V	Star in Cluster	B3V
65	Alpha Persei	HD 20902	2.286, 1.816	F5Iab:	Variable Star	F5Iab:
67	Xi Tauri	HD 21364	3.663, 3.727	B9Vn	Variable Sta	B9Vn
70	Epsilon Eridani	HD 22049	4.61, 3.73	K2V	Variable of BY Dra type	K2V
71	Psi Persei	HD 22192	4.255, 4.310	B5Ve	Emission line Star	B5Ve
77	12 Tauri Taygeta	HD 22796	6.487, 5.560	G6III:	Star	G6III:
72	Pleiades 11 Tauri	HD 22805	6.198, 6.113	A2IV	Spectroscopic binary	A2IV
98	Delta Persei	HD 22928	2.88, 2.99	B5III	Variable Star	B5III
73	Omicron Persei	HD 23180	3.871, 3.855	B1III	Spectroscopic binary	B1III
74	Pleiades 6 Celaeno	HD 23288	5.406, 5.448	B7IV	Variable Star	B7IV
75	17 Tauri	HD 23302	3.612, 3.705	B6IIIe	Star in Nebula	B6IIIe
76	18 Tauri	HD 23324	5.585, 5.651	B8V	Star in Cluster	B8V
79	20 Tauri Maia	HD 23408	3.812, 3.871	B8III	Variable Star	B8III
78	Asterope 21 k Tauri	HD 23432	5.727, 5.761	B8V	Variable Star	B8V
81	Asterope 22 L Tauri	HD 23441	6.415, 6.430	A0Vn	Star in Cluster	A0Vn
80	23 Tauri Merope	HD 23480	4.113, 4.164	B6IVe	Star in Cluster	B6IVe
85	Eta Tauri	HD 23630	2.806, 2.873	B7III	Be Star	B7III
88	28 Tauri Pleione	HD 23862	4.967, 5.048	B8IVevar...	Variable Star of irregular type	B8IVevar...
92	Zeta Persei	HD 24398	2.966, 2.883	B1Iab:	Variable Star	B1Iab:
93	DM +52 726	HD 24431	7.062, 6.795	O9IV-V	Double or multiple star	O9IV-V
94	X Persei	HD 24534	6.39, 6.10, V3	O9.5pe	High Mass X-ray Binary	O9.5pe
95	Epsilon Persei	HD 24760	2.733, 2.901	B0.5V+...	Variable Star of beta Cep type	B0.5V+...
96	Xi 46 Persei	HD 24912	4.022, 4.042	O7.5IIIe	Emission-line Star	O7.5IIIe
97	Lambda Tauri	HD 25204	3.310, 3.408	B3V+...	Eclipsing binary of Algol type	B3V+...
99	DM 61deg 667	HD 25408	9.78, 7.62	Rvar...	Carbon Star	Rvar...
86	53 Tauri Anon. 28	HD 27295	5.421, 5.490	B9IV	Variable Star of alpha2 CVn type	B9IV
89	67 Tauri Anon. 34	HD 27946	5.506, 5.275	A7V	Variable Star of delta Sct type	A7V
100	C Persei 48	HD 25940	3.967, 4.003	B3Ve	Emission-line Star	B3Ve
102	BD +30 624	HD 26125	9.72, 8.19	K0	Star	K0
103	NGC 1535	HD 26847	11.6, 10.553	?npe..	Planetary Nebula	?npe..
104	HD 27396	HD 27396	4.767, 4.814	B4IV	Variable Star of beta Cep type	B4IV
106	55 Perseus	HD 27777	5.668, 5.722	B8V	Star	B8V
101	NGC 1514	HD 281679	9.95, 9.43	B8	Planetary Nebula	B8
107	Theta(2) Tauri	HD 28319	3.595, 3.409	A7III	Variable Star of delta Sct type	A7III
105	T Tauri	HD 284419	9.60, V4	G5V:e...	T Tau-type Star	G5V:e...
108	HD 28446	HD 28446	5.876, 5.772	B0III	Variable Star	B0III
110	Alpha Tauri	HD 29139	2.39, 0.85	K5III	Variable Star	K5III
111	9 or Alpha Camelopardalis	HD 30614	4.289, 4.301	O9.5Iae	Emission-line Star	O9.5Iae
112	Pi 4 Orionis	HD 30959	6.534, 4.752	M3	S Star	M3

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113	Pi 5 Orionis	HD 31139	6.968, 5.346	M1III	Variable Star	M1III
114	Epsilon Aurigae	HD 31964	3.527, 3.039	A8lab:	Eclipsing binary of Algol type	A8lab:
115	Zeta Aurigae	HD 32068	4.927, 3.769	K4Ib-II+...	Eclipsing binary of Algol type	K4Ib-II+...
116	Star N or 11 Camelopardalis	HD 32343	5.00, 5.03	B2.5Ve	Be Star	B2.5Ve
117	11 Camelopardalis	HD 32343	5.00, 5.03	B2.5Ve	Be Star	B2.5Ve
118	105 Tauri	HD 32991	6.08, 5.92	B2Ve	Emission-line Star	B2Ve
120	R Aurigae	HD 34019	7.8, 6.5, V4	M7III	Variable Star of Mira Cet type	M7III
121	Alpha Aurigae	HD 34029	0.88, 0.08, V?	G5IIIe+...	Variable of RS CVn type	G5IIIe+...
122	AE Aurigae	HD 34078	6.180, 5.998	O9.5Ve...	Variable Star of Orion Type	O9.5Ve...
123	Lambda Aurigae	HD 34411	5.34, 4.70	G1.5IV-V	High proper-motion Star	G1.5IV-V
124	DM +37 1146	HD 34656	6.797, 6.801	O7e...	Emission-line Star	O7e...
125	Eta Orionis	HD 35411	3.21, 3.38	B0.5V	Eclipsing binary of beta Lyr type	B0.5V
128	25 Orionis	HD 35439	4.701, 4.873	B1Vpe	Be Star	B1Vpe
126	Gamma Orionis	HD 35468	1.42, 1.64, V?	B2III	Variable Star	B2III
127	Beta Tauri	HD 35497	1.62, 1.68	B7III	Star in double system	B7III
129	DM -12deg 1172	HD 35914	9.78, 9.56	?npe...	Planetary Nebula	?npe...
130	IC 418 Planetary Nebula	HD 35914	9.78, 9.56	?npe...	Planetary Nebula	?npe...
131	IC 418	HD 35914	9.78, 9.56	?npe...	Planetary Nebula	?npe...
133	HD 36166	HD 36166	5.561, 5.742	B2V	Star	B2V
135	Chi Aurigae	HD 36371	4.996, 4.744	B5Iab	Spectroscopic binary	B5Iab
136	Delta Orionis Mintaka	HD 36485	6.69, 6.85	B2V	Star in double system	B2V
137	120 Tauri	HD 36576	5.642, 5.667	B2IV-Ve	Be Star	B2IV-Ve
139	Lambda Orionis Companion	HD 36861J	3.20, 3.39	O...	Double or multiple star	O...
141	Theta 2 Orionis	HD 37041	4.98, 5.08	O9.5Vpe	Spectroscopic binary	O9.5Vpe
143	Iota Orionis	HD 37043	2.53, 2.77	O9III	Spectroscopic binary	O9III
145	Epsilon Orionis Alnilam	HD 37128	1.51, 1.70	B0Iab:	Emission-line Star	B0Iab:
146	Phi (2) Orionis [SAO 112958]	HD 37160	5.04, 4.09	K0IIIb	High proper-motion Star	K0IIIb
147	Zeta tauri	HD 37202	2.84, 3.03	B2IV	Be Star	B2IV
149	Omega Orionis	HD 37490	4.46, 4.57	B3IIIe	Be Star	B3IIIe
150	Zeta Orionis	HD 37742J	1.59, 1.79	O9.5Ib	Double or multiple star	O9.5Ib
156	II 2149	HD 39659	10.5, 10.3	O7.5	Planetary Nebula	O7.5
152	Alpha Orionis	HD 39801	2.35, 0.58	M2Iab:	Semi-regular pulsating Star	M2Iab:
154	HD 40111	HD 40111	4.736, 4.823	B0.5II	Emission-line Star	B0.5II
153	Beta Aurigae	HD 40183	1.969, 1.896	A2IV+...	Eclipsing binary of Algol type	A2IV+...
155	Theta 37 Aurigae	HD 40312	2.54, 2.62	A0sp...	Variable Star	A0sp...
157	HR 2142	HD 41335	5.172, 5.251	B2Vne	Variable Star	B2Vne
158	HR 2142 Monoceros	HD 41335	5.172, 5.251	B2Vne	Variable Star	B2Vne
138	Great Nebula Orion M42	M 42	5.		HII (ionized) region	
140	Orion Nebula	M 42	5.		HII (ionized) region	
151	FU Orionis	V* FU Ori	10.35, 8.94, V4	G3Iavar	Variable Star of FU Ori type	G3Iavar
144	T Orionis	V* T Ori	9.50, V4	A3V	Variable Star of Orion Type	A3V
159	HD 41753	HD 41753	4.250, 4.403	B3V	Spectroscopic binary	B3V
161	HD 42087	HD 42087	5.915, 5.765	B2.5Ibe	Emission-line Star	B2.5Ibe
160	DM +20 1284	HD 42088	7.57, 7.56	O6.5V	Star	O6.5V
162	WY Geminorum	HD 42474	8.78, 7.26	Mlabpevar+...	Pulsating variable Star	Mlabpevar+...
163	BU Geminorum	HD 42543	8.60, 6.38	M0Iab:	Variable Star	M0Iab:
164	Eta Geminorum	HD 42995	4.91, 3.32	M3III	Semi-regular pulsating Star	M3III
166	HD 44112	HD 44112	5.072, 5.246	B2.5V	Star	B2.5V

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167	HR 2284	HD 44458	5.563, 5.585	B1Vpe	Emission-line Star	B1Vpe
165	Mu Geminorum	HD 44478	4.538, 2.914	M3III	Variable Star	M3III
168	V Monocerotis	HD 44639	8.26, 6.87, V4	M6e	Variable Star of Mira Cet type	M6e
169	Beta Canis Majoris	HD 44743	1.75, 1.98, V	B1II/III	Variable Star of beta Cep type	B1II/III
170	RT Aurigae 48	HD 45412	6.49, 5.75	F8Ibvar	Classical Cepheid (delta Cep type)	F8Ibvar
171	Nu Geminorum	HD 45542	4.00, 4.14	B6IIIe	Emission-line Star	B6IIIe
172	Beta Monocerotis	HD 45726J	5.33, 5.40	B2	Double or multiple star	B2
173	AX Moncerotis	HD 45910	6.97, 6.74	B2:IIIpshevar	Emission-line Star	B2:IIIpshevar
174	13 Moncerotis	HD 46300	4.502, 4.504	A0Ib	Star in Nebula	A0Ib
175	49 Aurigae	HD 46553	5.257, 5.266	A0Vnn	Star	A0Vnn
177	Gamma Geminorum	HD 47105	1.93, 1.90	A0IV	Star in double system	A0IV
176	53 Aurigae	HD 47152	5.760, 5.748	B9npe...	Double or multiple star	B9npe...
178	HD 48977	HD 48977	5.76, 5.92	B2.5V	Star in Cluster	B2.5V
179	Nova Geminorum #2	HD 50480	3.60, , V4	?p...	Nova	?p...
180	HD 50896	HD 50896	6.679, 6.735	WN...	Wolf-Rayet Star	WN...
181	R Lyncis	HD 51610	9.58, 7.56, V4	Se...	Variable Star of Mira Cet type	Se...
182	Epsilon Canis Majoris	HD 52089	1.386, 1.513	B2Iab:	Star in double system	B2Iab:
183	DM -3 1685	HD 52432	9.20, 7.27	C...	Carbon Star	C...
184	Zeta Geminorum	HD 52973	4.89, 4.01	G0Ibvar	Classical Cepheid (delta Cep type)	G0Ibvar
186	Delta Canis Majoris	HD 54605	2.514, 1.842	F8Iab:	Variable Star	F8Iab:
188	U Monocerotis	HD 59693	7.9, 6.8	K0Ibivar	Variable Star of RV Tau type	K0Ibivar
517	Alpha Canis Minoris	HD 61421	0.74, 0.34, V?	F5IV-V	Spectroscopic binary	F5IV-V
190	Beta Geminorum	HD 62509	2.15, 1.15, V?	K0IIIb	Variable Star	K0IIIb
191	Zeta Puppis	HD 66811	2.013, 2.210	O5Ia...	Variable of BY Dra type	O5Ia...
192	29 Monocerotis	HD 67594	5.323, 4.365	G2Ib	Star in double system	G2Ib
194	Beta Cancri	HD 69267	5.050, 3.536	K4III	Variable Star	K4III
195	Omicron Ursae Majoris	HD 71369	4.192, 3.362	G5III	Variable Star	G5III
196	RZ Cancri	HD 73343	10.14, 9.02	K2III	Variable of RS CVn type	K2III
197	HD 74280	HD 74280	4.101, 4.274	B3V	Variable Star of beta Cep type	B3V
198	Epsilon Hydrae	HD 74874	4.06, 3.38, V?	G5III	Variable of BY Dra type	G5III
199	S Hydrae	HD 76011	13.24, 11.85, V4	M4e	Variable Star of Mira Cet type	M4e
200	T Hydrae	HD 76400	10.02, 8.77	M3e	Variable Star of Mira Cet type	M3e
202	Iota Ursae Majoris	HD 76644	3.33, 3.10, V?	A7V	Spectroscopic binary	A7V
201	BD +34 1927	HD 76731	9.66, 8.58	K2	Star	K2
193	Nova Puppis	V* CP Pup	15.0,	?p...	Nova	?p...
203	F Ursae Majoris [SAO 27136]	HD 78209	4.75, 4.50	A1m	Star	A1m
204	Tau Ursae Majoris	HD 78362	4.990, 4.648	Am	Spectroscopic binary	Am
205	RS Cancri	HD 78712	7.45, 6.08	M6IIIase	Semi-regular pulsating Star	M6IIIase
206	BD +14 2048	HD 79319	10.24, 8.57	R...	Carbon Star	R...
208	Theta Ursae Majoris	HD 82328	3.63, 3.20, V?	F6IV	Spectroscopic binary	F6IV
209	Omicron Leonis	HD 83808	3.993, 3.531	A5V+...	Spectroscopic binary	A5V+...
210	15 Leonis F	HD 84107	5.746, 5.640	A2IV	Star	A2IV
211	R Leonis Minoris	HD 84346	10.52, 9.39	M7e	Star with envelope of OH/IR type	M7e
212	Epsilon Leonis	HD 84441	3.762, 2.975	G1II	Variable Star	G1II
213	R Leonis	HD 84748	7.32, 6.02, V4	M8IIIe	Variable Star of Mira Cet type	M8IIIe
218	Gamma Leonis 41	CCDM J10199+1951A13.13	1.98	K0	Double or multiple star	K0
214	21 Leonis Minoris	HD 87696	4.666, 4.488	A7V	Variable Star of delta Sct type	A7V
215	Eta Leonis 30	HD 87737	3.484, 3.511	A0Ib	Variable Star	A0Ib

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216	32 Alpha Leonis Regulus	HD 87901	1.24, 1.35, V?	B7V	Variable Star	B7V
217	U Ursae Majoris	HD 88651	7.827, 6.202	M0IIIvar	Variable Star	M0IIIvar
219	30 Leonis Minoris	HD 90277	4.972, 4.730	F0V	Star	F0V
221	33 Leonis Minoris	HD 91130	6.013, 5.912	A0IV	Star in double system	A0IV
222	Rho Leonis	HD 91316	3.694, 3.842	B1Iab	Variable Star	B1Iab
223	49 Leonis	HD 91636	5.72, 5.67, V2	A2V	Eclipsing binary of Algol type	A2V
224	U Hydrae	HD 92055	7.67, 4.93	CII...	Carbon Star	CII...
225	R Ursae Majoris	HD 92763	9.51, 8.41	M4e	Variable Star of Mira Cet type	M4e
226	42 Leonis Minoris	HD 93152	5.302, 5.349	A1Vn	Star in double system	A1Vn
227	Beta Ursa Majoris	HD 95418	2.376, 2.346	A1V	Variable Star	A1V
228	Alpha Ursa Majoris	HD 95689	2.86, 1.79, V?	K0Iab:	Spectroscopic binary	K0Iab:
229	Chi Leonis	HD 96097	4.96, 4.63, V?	F2III-IVvar	Variable Star	F2III-IVvar
235	Lambda Draconis 1	HD 100029	5.470, 3.828	M0III	Semi-regular pulsating Star	M0III
237	Beta Leonis 94	HD 102647	2.23, 2.14, V?	A3V	Variable Star of delta Sct type	A3V
238	Gamma Ursae Majoris 64	HD 103287	2.468, 2.427	A0Ve	Emission-line Star	A0Ve
232	Delta Leonis 68	HD 97603	2.68, 2.56, V?	A4V	Variable Star	A4V
231	Theta Leonis	HD 97633	3.337, 3.324	A2V	Variable Star	A2V
233	55 Ursae Majoris	HD 98353	4.90, 4.80	A2V	Spectroscopic binary	A2V
234	57 Ursae Majoris	HD 99787	5.373, 5.354	A2V	Star in double system	A2V
240	Omicron Virginis	HD 104979	5.10, 4.13	G8IIIa	High proper-motion Star	G8IIIa
241	R Corvi [SAO 157211]	HD 107199	10.4, 9.25	M6e	Variable Star of Mira Cet type	M6e
242	Kappa Draconis 5	HD 109387		B6IIIpe	Be Star	B6IIIpe
243	T Ursae Majoris	HD 109729	9.51, 8.11, V4	M4IIIe	Variable Star of Mira Cet type	M4IIIe
244	R Virginis	HD 109914	9.06, 7.77	M4.5IIIe	Variable Star of Mira Cet type	M4.5IIIe
245	S Ursae Majoris	HD 110813	11.3, 8.87	Sevar...	S Star	Sevar...
246	Y Canum Venaticorum	HD 110914	8.553, 5.288	Clab:...	Carbon Star	Clab:...
247	DM +46 1817	HD 110914	8.553, 5.288	Clab:...	Carbon Star	Clab:...
249	77 Ursae Majoris Epsilon	HD 112185	1.801, 1.760	A0p...	Variable Star of alpha2 CVn type	A0p...
250	Alpha Canum Venaticorum	HD 112413	2.78, 2.90	A0spe...	Variable Star of alpha2 CVn type	A0spe...
251	Epsilon Virginis	HD 113226	3.77, 2.83	G8III	High proper-motion Star	G8III
255	PGC 3459	APMBGC 151+079-004			Galaxy	
262	Groombridge 2044 or PGC 3552	ESO 113-1			Galaxy Sc	
252	SD -19 3634	HD 113801	9.63, 8.45	K0IIICN	Carbon Star	K0IIICN
254	20 Canum Venaticorum	HD 115604	5.015, 4.715	F3III	Variable Star of delta Sct type	F3III
256	Zeta 1 Ursae Majoris 79	HD 116656	2.29, 2.27, V?	A2V	Spectroscopic binary	A2V
257	Zeta 2 Ursae Majoris	HD 116657	4.08, 3.95	A1m	Spectroscopic binary	A1m
258	g 80 Ursae Majoris Alcor	HD 116842	4.177, 4.005	A5V	Variable Star	A5V
259	R Hydrae	HD 117287	7.7, 6.4	M7IIIe	Variable Star of Mira Cet type	M7IIIe
260	Zeta Virginis 79	HD 118098	3.48, 3.40	A3V	High proper-motion Star	A3V
261	81 Ursae Majoris	HD 118214	5.579, 5.594	A0V	Star	A0V
263	Tau Bootis 4	HD 120136	4.98, 4.50, V?	F6IV	Variable Star	F6IV
264	Eta Ursae Majoris 85	HD 120315	1.755, 1.852	B3V	Variable Star	B3V
265	R Canis Venaticorum	HD 120499	10.00, 9.02	M6IIIe	Variable Star of Mira Cet type	M6IIIe
276	Epsilon Bootis	CCDM J14449+2704A1	3.36, 2.39	A0	Double or multiple star	A0
267	Alpha Draconis 11	HD 123299	3.617, 3.647	A0III	Spectroscopic binary	A0III
268	12 Bootis	HD 123999	5.317, 4.823	F9IVw	Spectroscopic binary	F9IVw
269	HR 5313	HD 124224	.89, 5.01, V1	A0Vp...	Variable Star of alpha2 CVn type	A0Vp...
270	Alpha Bootis	HD 124897	1.19, -0.04, V?	K1.5III	Variable Star	K1.5III

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271	A Bootis	HD 125351	5.862, 4.812	K0III	Spectroscopic binary	K0III
273	V Bootis	HD 127335	9.73, 8.46	M6e	Variable Star of Mira Cet type	M6e
274	Gamma Bootis	HD 127762	3.23, 3.00	A7III	Variable Star of delta Sct type	A7III
275	R Bootis	HD 128609	9.77, 8.61	M4e	Variable Star of Mira Cet type	M4e
277	Beta Ursae Minoris	HD 131873	3.589, 2.078	K4III	Variable Star	K4III
279	Delta Librae	HD 132742	4.94, 4.95	B9.5V	Eclipsing binary of Algol type	B9.5V
278	40 Bootis	HD 132772	5.946, 5.645	F1III-IV	Star	F1III-IV
283	Mu 2 Bootis	ADS 9026	, 4.68		Double or multiple star	
280	Beta Librae 27	HD 135742	2.535, 2.605	B8V	Variable Star	B8V
281	U Coronae Borealae [U CrB]	HD 136175	7.785, 7.820	B7Vvar...	Eclipsing binary of Algol type	B7Vvar...
282	S Coronae Borealae [S CrB]	HD 136753	9.08, 8.13	M7e	Variable Star of Mira Cet type	M7e
284	3 Beta Coronae Borealae [Beta CrB]	HD 137909	3.96, 3.68, V1	F0p	Spectroscopic binary	F0p
285	Beta Coronae Borealae	HD 137909	3.96, 3.68, V1	F0p	Spectroscopic binary	F0p
286	Theta 4 Coronae Borealae [4 CrB]	HD 138749	4.036, 4.153	B6Vnne	Eruptive variable Star	B6Vnne
287	5 Alpha Coronae Borealae [alpha CrB]	HD 139006	2.244, 2.214	A0V	Eclipsing binary of Algol type	A0V
288	Iota Serpentis	HD 140159	4.567, 4.509	A1V	Double or multiple star	A1V
289	RR Coronae Borealae [RR CrB]	HD 140297	9.04, 7.74	M3	Semi-regular pulsating Star	M3
290	Gamma Coronae Borealae [Gamma CrB]	HD 140436	3.84, 3.84	B9IV+...	Variable Star	B9IV+...
291	Alpha Serpentis 24	HD 140573	3.829, 2.638	K2IIIb	Star in double system	K2IIIb
292	HR 5857 Draconis	HD 140728	5.441, 5.485	B9p...	Variable Star of alpha2 CVn type	B9p...
294	25 Serpentis	HD 140873	5.37, 5.39	B8III	Spectroscopic binary	B8III
295	R Coronae Borealae [R CrB]	HD 141527	6.46, 5.90	G0Iab:pe	Variable Star of R CrB type	G0Iab:pe
296	Delta Coronae Borealae [Delta CrB]	HD 141714	5.358, 4.601	G3.5III	Variable of RS CVn type	G3.5III
297	R Serpentis	HD 141850	8.49, 7.10, V4	M7IIIe	Variable Star of Mira Cet type	M7IIIe
298	R Serpentis	HD 141850	8.49, 7.10, V4	M7IIIe	Variable Star of Mira Cet type	M7IIIe
299	Lambda 12 Coronae Borealae [12 CrB]	HD 142908	5.756, 5.440	F0IV	Star in double system	F0IV
300	48 Librae	HD 142983	4.867, 4.943	B8Ia/lab	Emission-line Star	B8Ia/lab
301	Epsilon Coronae Borealae [Epsilon CrB]	HD 143107	5.389, 4.143	K2III	Double or multiple star	K2III
302	T Coronae Borealae [T CrB]	HD 143454	, 2.00, V4	M3IIIp	Symbiotic Star	M3IIIp
293	Nova CT Serpantis 1948	V* CT Ser	6.00, , V4	?p...	Nova	?p...
303	X Herculis	HD 144205	7.63, 6.47	M8	Semi-regular pulsating Star	M8
304	SX Herculis	HD 144921	9.95, 8.35	K2	Semi-regular pulsating Star	K2
305	IC II 4593 [IC 4593]	HD 145649	10.89, 10.7	O7	Planetary Nebula	O7
306	Delta Ophiuchi 1	HD 146051	4.32, 2.74	M0.5III	Variable Star	M0.5III
307	Chi Ophiuchi 7	HD 148184	4.70, 4.42, V3	B2Vne	Variable Star of irregular type	B2Vne
308	U Herculis	HD 148206	10.03, 8.50, V4	M7III	Variable Star of Mira Cet type	M7III
309	Eta Draconis	HD 148387	3.637, 2.736	G8IIIb	Variable Star	G8IIIb
310	g Herculis	HD 148783	6.19, 4.91	M6III	Semi-regular pulsating Star	M6III
311	Beta Herculis	HD 148856	3.717, 2.786	G7IIIa	Spectroscopic binary	G7IIIa
312	Tau Scorpii	HD 149438	2.613, 2.814	B0.2V	Star	B0.2V
313	W Herculis	HD 149749	10.66, 9.51	M3e	Variable Star of Mira Cet type	M3e
314	Zeta Ophiuchi	HD 149757	2.595, 2.578	O9V	Be Star	O9V
315	Zeta Herculis	HD 150680	3.539, 2.890	G0IV	Spectroscopic binary	G0IV
316	Eta Herculis	HD 150997	4.392, 3.487	G7.5IIIb	Star in double system	G7.5IIIb
317	52 Herculis	HD 152107	4.914, 4.823	A2Vspe...	Variable Star	A2Vspe...
318	S Herculis 49	HD 152276	9.58, 8.02	M6e	Variable Star of Mira Cet type	M6e
319	Kappa Ophiuchi	HD 153210	4.35, 3.20	K2III	Variable Star	K2III
321	Epsilon Ursa Minoris	HD 153751	5.098, 4.222	G5III	Variable of RS CVn type	G5III

PARI Reference Number	University of Michigan - Ann Arbor Spectral Plate Identification	Simbad Identification	Bmag,Vmag,Other	Spectral Type	ICRS Description	Spectral Type
320	Epsilon Herculis	HD 153808	3.900, 3.906	A0V	Spectroscopic binary	A0V
322	SY Herculis	V* SY Her	10.20, 8.84	M5	Variable Star of Mira Cet type	M5
323	R Ophiuchi	HD 154721	9.38, 7.91	M4e	Variable Star of Mira Cet type	M4e
324	64 Alpha Herculis (Brighter)	HD 156014	4.92, 3.48, V3	M5Ib-II	Semi-regular pulsating Star	M5Ib-II
325	BD +42 2811	HD 156074	8.76, 7.59	C...	Carbon Star	C...
326	Z Ophiuchi	HD 156801	10.83, 9.13	M...	Variable Star of Mira Cet type	M...
327	RS Herculis 73	HD 157330	10.15, 8.75	M5e	Variable Star of Mira Cet type	M5e
328	HD 157978-9	HD 157978	6.596, 6.070	B9.5V+...	Spectroscopic binary	B9.5V+...
329	Beta Draconis 23	HD 159181	3.77, 2.79	G2Iab:	Star in double system	G2Iab:
330	Alpha Ophiuchi 55	HD 159561	2.23, 2.10	A5III	Variable Star	A5III
332	Beta Ophiuchi 60	HD 161096	3.967, 2.773	K2III	Variable Star	K2III
331	XX Ophiuchi	HD 161114	9.81, 8.95	Ape	Variable Star of irregular type	Ape
334	Mu Herculis 86	HD 161797	4.17, 3.41	G5IV	High proper-motion Star	G5IV
335	Nova Ophiuchi No. 3	HD 162214	5.30, 4.3, V4	M2pe+...	Symbiotic Star	M2pe+...
336	Nu Herculis	HD 164136	4.760, 4.411	F2II	Double or multiple star	F2II
337	67 Ophiuchi	HD 164353	3.972, 3.974	B5Ib	Star in double system	B5Ib
338	NGC 6543	HD 164963	9.8,	?p...	Planetary Nebula	?p...
333	Nove Scorpil (wrong star)	V* V719 Sco	9.80, , V4	?p...	Nova	?p...
339	70 Ophiuchi	HD 165341	4.89, 4.03	K0V	Variable Star	K0V
340	HD 165402	HD 165402		B8III-IV	Star	B8III-IV
341	HD 165763	HD 165763	7.81, 7.68	WC...	Wolf-Rayet Star	WC...
342	Omicron Herculis 103	HD 166014	B9.5V	B9.5V	Variable Star	B9.5V
343	Delta Ursa Minoris	HD 166205	4.382, 4.348	A1Vn	Star	A1Vn
345	T Herculis	HD 166382	10.03, 8.91	M4e	Variable Star of Mira Cet type	M4e
346	W Lyrae	HD 167740	11.62, 9.99, V4	M4.5e	Variable Star of Mira Cet type	M4.5e
347	HD 168206	HD 168206	9.87, 9.19	WCvar+...	Wolf-Rayet Star	WCvar+...
348	D Serpentis 59	HD 169985	5.71, 5.21, V3	G0III+...	Spectroscopic binary	G0III+...
349	Phi Draconis 43	HD 170000	4.12, 4.22	A0sp...	Spectroscopic binary	A0sp...
351	Alpha Lyrae 3 Vega	HD 172167	0.03, 0.03	A0V	Variable Star	A0V
350	X Ophiuchi	HD 172171	8.62, 7.41	K1III+...	Variable Star of Mira Cet type	K1III+...
352	R Scuti	HD 173819	6.70, 5.41	K0Ibpvar	Variable Star of RV Tau type	K0Ibpvar
353	111 Hercules	HD 173880	4.477, 4.346	A5III	Star in double system	A5III
354	Nova Aquilae	HD 174107	11.65, 11.64, V4	sd:Be+...	Nova	sd:Be+...
356	Beta Lyrae	HD 174638	3.52, 3.52	B7Ve+...	Eclipsing binary	B7Ve+...
357	Ring Nebulae Lyra [M57]	HD 175353	14.7, 15.00	?p...	Planetary Nebula	?p...
358	113 Herculis	HD 175492	5.37, 4.59	G4III+...	Star in double system	G4III+...
361	Gamma Lyrae 14	HD 176437	3.19, 3.24	B9III	Star in double system	B9III
362	DM -5 4858	HD 177336	10.7, 6.78	CII...	Carbon Star	CII...
355	V Lyrae 9	HD 178876	, 8.70, V4	M7e	Variable Star of Mira Cet type	M7e
344	Nova Herculis	V* DQ Her	17.7, 14.2	sd:Be+...	Nova	sd:Be+...
359	Nova Scuti 1949	V* EU Sct	8.00, , V4	?p...	Nova	?p...
360	Nova Herculis 1960	V* V446 Her	3.00, , V4	?p...	Nova	?p...
366	Omicron Sagittarii	HD 177241	4.790, 3.771	K0III	Star in double system	K0III
364	NGC 6751	HD 177656	15.78, 15.48	WC	Planetary Nebula	WC
365	Zeta Aquilae	HD 177724	3.016, 2.988	A0Vn	Star in double system	A0Vn
363	Lamda Aquilae	HD 177756	3.351, 3.427	B9Vn	Star	B9Vn
367	Upsilon Sagittarii	HD 181615	4.643, 4.578	B2Vpe+...	Eclipsing binary of beta Lyr type	B2Vpe+...
368	DM -10 5057	HD 182040	8.02, 7.00	C...	Carbon Star	C...

PARI Reference Number	University of Michigan - Ann Arbor Spectral Plate Identification	Simbad Identification	Bmag,Vmag,Other	Spectral Type	ICRS Description	Spectral Type
371	Delta Aquilae	HD 182640	3.68, 3.40	F0IV	Variable Star	F0IV
373	RR Lyrae	HD 182989	7.29, 7.13, V3	F5	Variable Star of RR Lyr type	F5
374	4 Cygni	HD 183056	5.03, 5.16	B9sp...	Spectroscopic binary	B9sp...
375	DM +76 734	HD 183556	9.14, 6.25	CII...	Carbon Star	CII...
376	Beta Cygni [SAO 87301]	HD 183912	4.171, 3.085	K3II+...	Double or multiple star	K3II+...
377	AF Cygni	HD 184008	8.488, 7.101	M4	Semi-regular pulsating Star	M4
378	DM +30 3639	HD 184738	10.35, 10.41	WC...	Planetary Nebula	WC...
379	RT Aquilae	HD 185293	, 7.80, V4	M7e	Variable Star of Mira Cet type	M7e
380	RT Cygni	HD 186686	9.73, 8.45	M3e	Variable Star of Mira Cet type	M3e
381	NGC 6826	HD 186924	10.21, 10.07	?p...	Planetary Nebula	?p...
382	Delta Sagittae	HD 187076J	5.23, 3.82	M2II+...	Spectroscopic binary	M2II+...
383	HD 187282	HD 187282	10.54, 10.46	WN+...	Wolf-Rayet Star	WN+...
384	Alpha Aquilae	HD 187642	0.99, 0.77	A7V	High proper	A7V
386	Chi Cygni	HD 187796	8.35, 6.80	S...	Variable Star of Mira Cet type	S...
387	Eta Aquilae	HD 187929	4.62, 3.88	F6Iab:	Classical Cepheid (delta Cep type)	F6Iab:
389	S Sagittae 10	HD 188727	6.60, 5.72	G5Ibvar	Classical Cepheid (delta Cep type)	G5Ibvar
391	HD 190429	HD 190429	6.78, 6.63	Oe+...	Emission-line Star	Oe+...
392	DM +35 3930	HD 190429	6.78, 6.63	Oe+...	Emission-line Star	Oe+...
370	BF Cygni	V* BF Cyg	10.6, 10.3	B	Symbiotic Star	B
385	CI Cygni	V* CI Cyg	11.9, 11.1	M6.5	Symbiotic Star	M6.5
372	Nova 368 Aquilae (October 1936)	V* V368 Aql			Nova	
388	Nova 465 Cygni 1948	V* V465 Cyg	9.20, , V4	?p...	Nova	?p...
390	Nova Cygni #3 1920	V* V476 Cyg		?p...	Nova	?p...
393	HD 190864	HD 190864	7.91, 7.79	O7IIIe...	Emission-line Star	O7IIIe...
394	HD 190918	HD 190918	6.94, 6.81, V?	WN+...	Wolf-Rayet Star - Emission Line Star	WN+...
396	BD +35 3953	HD 190918	6.94, 6.81, V?	WN+...	Wolf-Rayet Star	WN+...
395	HD 190919	HD 190919	7.54, 7.29	B1Ib	Star in Cluster	B1Ib
398	b2 Cygni 28	HD 191610	4.793, 4.929	B2.5Ve	Emission	B2.5Ve
401	Theta Aquilae	HD 191692	3.197, 3.242	B9.5III	Spectroscopic binary	B9.5III
399	HD 191765	HD 191765	8.21, 8.02	WN...	Wolf-Rayet Star	WN...
402	DM +35 4001	HD 191765	8.21, 8.02	WN...	Wolf-Rayet Star	WN...
403	20 Vulpeculae	HD 192044	5.797, 5.903	B7Ve	Emission-line Star	B7Ve
404	DM +35 4013	HD 192103	8.27, 8.11	WC...	Variable Star of irregular type	WC...
405	BD +37 3821	HD 192163	7.47, 7.48, V?	WN...	Wolf-Rayet Star	WN...
407	31 Cygni	HD 192577	5.07, 3.79, V2	K2II+...	Eclipsing binary of Algol type	K2II+...
408	DM +36 3956	HD 192641	8.22, 7.95	WCp+...	Wolf-Rayet Star	WCp+...
409	HD 192641	HD 192641	8.22, 7.95	WCp+...	Wolf-Rayet Star	WCp+...
410	32 Cygni	HD 192641	8.22, 7.95	WCp+...	Wolf-Rayet Star	WCp+...
397	DM +36 3959	HD 192661	7.907, 6.574	G8III	Star in double system	G8III
411	HD 193077	HD 193077	8.34, 8.06	WN+...	Wolf-Rayet Star	WN+...
412	DM +36 3987	HD 193077	8.34, 8.06	WN+...	Wolf-Rayet Star	WN+...
413	P Cygni	HD 193237	5.134, 4.795	B2pe	Nova	B2pe
414	35 Cygni	HD 193370	5.798, 5.181	F5Ib	Spectroscopic binary	F5Ib
415	Beta Capricorni	HD 193495	3.87, 3.08	K0:II+...	Spectroscopic bin	K0:II+...
417	DM +38 4010	HD 193576	8.46, 8.02	WNvar+...	Wolf-Rayet Star	WNvar+...
418	HD 193576	HD 193576	8.46, 8.02	WNvar+...	Wolf-Rayet Star	WNvar+...
420	HD 193793	HD 193793	7.281, 6.887	WCp+...	Wolf-Rayet Star	WCp+...
421	DM +43 3571	HD 193793	7.281, 6.887	WCp+...	Wolf-Rayet Star	WCp+...

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422	25 Vulpeculae	HD 193911	5.431, 5.519	B8IIIine	Emission-line Star	B8IIIine
423	HD 193928	HD 193928	10.67, 9.75	WNvar+...	Wolf-Rayet Star	WNvar+...
424	Gamma Cygni	HD 194093	2.898, 2.237	F8Iab:	Variable Star	F8Iab:
426	HD 196775	HD 196775	5.825, 5.970	B3V	Star in double system	B3V
427	Alpha Delphini	HD 196867	3.726, 3.771	B9IV	Star in double system	B9IV
425	Alpha Cygni Deneb	HD 197345	.34, 1.25	A2Iae	Emission-line Star	A2Iae
428	Lambda Cygni	HD 198183	4.453, 4.563	B5Ve	Be Star	B5Ve
429	HD 199140	HD 199140	6.40, 6.54	B2IIIvar	Variable Star of beta Cep type	B2IIIvar
431	DM +44 3639	HD 199579	5.981, 5.966	O6Ve	Emission-line Star	O6Ve
433	f Cygni 59	HD 200120	4.69, 4.74, V2	B1.5Vnne	Variable Star of irregular type	B1.5Vnne
434	R Vulpeculae	HD 200687	10.37, 9.03	M4e	Variable Star of Mira Cet type	M4e
419	V Sagittae	V* V Sge	, 9.50, V4	N...	Nova-like Star	N...
436	61 Cygni A	ADS 14636 AB	6.10, 4.84	K5	Double or multiple star	K5
437	61 Cygni B	ADS 14636 AB	6.10, 4.84	K5	Double or multiple star	K5
435	HD 200775 BD +67 1283	HD 200775	7.73, 7.42	B2Ve	Variable Star of Orion Type	B2Ve
438	T Cephei	HD 202012	8.45, 7.37	M7IIIe	Variable Star of Mira Cet type	M7IIIe
439	Sigma Cygni	HD 202850	4.342, 4.256	B9Iab	Star	B9Iab
440	Upsilon Cygni 66	HD 202904	4.32, 4.43	B2Vne	Emission-line Star	B2Vne
442	HD 203245	HD 203245	5.61, 5.74	B6V	Star	B6V
444	6 Cephei	HD 203467	5.139, 5.185	B3IVe	Eruptive variable Star	B3IVe
447	Beta Cephei	HD 205021	3.015, 3.216	B2IIIevar	Variable Star of beta Cep type	B2IIIevar
445	Rho Cygni	HD 205435	4.861, 3.998	G8III	Variable Star	G8III
449	Epsilon Capricorni 39	HD 205637	4.33, 4.50	B3V:p	Emission-line Star	B3V:p
450	W Cygni	HD 205730	7.35, 6.01	M4III	Semi-regular pulsating Star	M4III
451	74 Cygni	HD 205835	5.234, 5.052	A5V	Star	A5V
452	9 Cephei	HD 206165	5.007, 4.788	B2Ib	Variable Star	B2Ib
453	BD +56 2617	HD 206267	5.83, 5.62	O6e	Double or multiple star	O6e
454	DM +34 4500	HD 206570	8.682, 5.992	C...	Carbon Star	C...
455	Epsilon Pegasi 8	HD 206778	3.962, 2.404	K2Ib	Variable Star	K2Ib
456	Mu Cephei	HD 206936	6.30, 4.04	M2Ia	Semi-regular pulsating Star	M2Ia
457	Delta Capricorni	HD 207098	3.16, 2.87, V2	A7IIIIm	Eclipsing binary of Algol type	A7IIIIm
458	Nu Cephei	HD 207260	4.740, 4.312	A2Iab:	Pulsating variable Star	A2Iab:
459	AG Pegasi	HD 207757	9.81, 8.65	WN+...	Symbiotic Star	WN+...
460	VV Cephei	HD 208816	6.73, 5.18	M2Iape+...	Eclipsing binary of Algol type	M2Iape+...
461	HD 209008	HD 209008	5.878, 5.988	B3III	Star	B3III
462	Omicron Aquarii	HD 209409	4.63, 4.70	B7IVe	Emission-line Star	B7IVe
463	DM +20 5071	HD 209621	10.41, 8.86	C...	Carbon Star	C...
465	19 Cephei	HD 209975	5.19, 5.11	O9Ib	Double or multiple star	O9Ib
464	Iota Pegasi	HD 210027	4.20, 3.76	F5V	Spectroscopic binary	F5V
466	25 Pegasi	HD 210129	5.707, 5.783	B7Vne	Emission-line Star	B7Vne
467	Lambda Cephei	HD 210839	5.261, 5.090	O6Iab:...	Emission-line Star	O6Iab:...
469	HD 211853	HD 211853	9.36, 9.03	WRe+...	Wolf-Rayet Star	WRe+...
470	31 Pegasi	HD 212076	4.72, 4.81	B2IV-Ve	Be Star	B2IV-Ve
471	2 Lacertae	HD 212120	4.451, 4.551	B6V	Ellipsoidal variable Star	B6V
473	Pi Aquarii	HD 212571	4.626, 4.794	B1Ve	Emission-line Star	B1Ve
472	4 Lacertae	HD 212593	4.657, 4.599	B9Iab	Star	B9Iab
475	Delta Cephei	HD 213306	4.81, 4.07	F5Iab:	Classical Cepheid (delta Cep type)	F5Iab:
476	5 Lacertae	HD 213311	5.991, 4.369	M0II+...	Double or multiple star	M0II+...

PARI Reference Number	University of Michigan - Ann Arbor Spectral Plate Identification	Simbad Identification	Bmag,Vmag,Other	Spectral Type	ICRS Description	Spectral Type
477	BD+42 4420	HD 213420	4.421, 4.518	B2IV	Spectroscopic binary	B2IV
480	BD +45 3983	HD 213871	7.346, 7.382	A0p...	Variable Sta	A0p...
478	Eta Aquarii	HD 213998	3.93, 4.02	B9IV-Vn	Star	B9IV-Vn
479	HD 214167 Lacertae 8	HD 214167	5.58, 5.73	B2Ve	Emission-line Star	B2Ve
481	W Cephei	HD 214369	9.44, 7.59	K0Iapevar...	Semi-regular pulsating Star	K0Iapevar...
482	HD 214419	HD 214419	9.20, 8.87	WN+...	Wolf-Rayet Star	WN+...
484	10 Lacertae	HD 214680	4.673, 4.877	O9V	Star in double system	O9V
485	BD +45 4008	HD 214694	10.53, 10.25	A2	Star	A2
486	BD +45 4011	HD 214819	10.31, 10.02	A2	Star	A2
487	BD +45 4015	HD 214945	10.02, 9.90	A0	Star	A0
488	Eta Pegasi	HD 215182	3.782, 2.948	G2II-III+...	Spectroscopic binary	G2II-III+...
489	BD +41 4594	HD 215373	6.04, 5.08	K0III	Star in double system	K0III
490	BD +45 4040	HD 215486	10.16, 9.79	A2	Star	A2
492	BD +45 4061	HD 216002	9.97, 9.88	A2	Star	A2
493	BD +41 4623	HD 216200	5.981, 5.928	B3IV:e	Double or multiple star	B3IV:e
494	BD +40 4926	HD 216369	7.071, 7.054	A0	Star in double system	A0
495	HR 8731	HD 217050	5.33, 5.42	B3IVpe	Be Star	B3IVpe
496	Omicron Andromedae	HD 217675	3.552, 3.633	B6IIIpe+...	Eclipsing binary of beta Lyr type	B6IIIpe+...
497	Beta Piscium	HD 217891	4.376, 4.486	B6Ve	Emission-line Star	B6Ve
498	Beta Pegasi 53	HD 217906	4.09, 2.42, V3	M2.5II-III	Pulsating variable Star	M2.5II-III
499	Alpha Pegasi 54	HD 218045	2.45, 2.49	B9III	Variable Star	B9III
468	Nova Lacertae 1936	V* CP Lac		?p...	Nova	?p...
491	Nova DK Lacertae 1950	V* DK Lac	5.00, , V4	?p...	Nova	?p...
508	1 H Cassiopeiae	HD 218376	4.780, 4.840	B0.5IV	Star	B0.5IV
500	HD 219460	HD 219460	10.51, 9.89	WN+...	Wolf-Rayet Star	WN+...
501	W Pegasi	HD 219946	10.39, 9.40	M7e	Variable Star of Mira Cet type	M7e
502	S Pegasi	HD 220033	10.14, 8.84	M6e	Variable Star of Mira Cet type	M6e
503	64 Pegasi	HD 220222	5.240, 5.338	B6III	Double or multiple star	B6III
504	67 Pegasi	HD 220599	5.480, 5.554	B9III	Star	B9III
505	NGC 7662	HD 220733	9.4, 12., V?	?p...	Planetary Nebula	?p...
506	BD +41 4773 Planetary Nebula	HD 220733	9.4, 12., V?	?p...	Planetary Nebula	?p...
507	Kappa Piscium 8	HD 220825	4.974, 4.927	A0p...	Variable Star of alpha2 CVn type	A0p...
509	Z Andromedae	HD 221650	11.88, 10.53, V4	M6.5	Symbiotic Star	M6.5
510	Z Andromedae	HD 221650	11.88, 10.53, V4	M6.5	Symbiotic Star	M6.5
511	19 Piscium	HD 223075	7.74, 5.04	CII...	Carbon Star	CII...
512	DM +5 5223	HD 223392	9.87, 8.50	C...	Carbon Star	C...
513	Rho Cassiopeiae	HD 224014	5.714, 4.517	G2Ia0e	Emission-line Star	G2Ia0e
514	V Cephei	HD 224309	6.626, 6.566	A3V	Variable Star	A3V
515	R Cassiopeia	HD 224490	, 4.8, V4	M7IIIe	Variable Star of Mira Cet type	M7IIIe
516	WY Andromedae	SAO 53278	10.68, 8.97	K5III	Semi-regular pulsating Star	K5III

PARI Reference Number	University of Michigan - Ann Arbor Spectral Plate Identification	Simbad Identification	Simbad Basic Data 1.3 through 1.6 Including Coordinates, Proper Motion, Radial Velocities, Parallaxes & Quality
10	Theta 24 Andromeda	HD 1280	00 17 05.4983 +38 40 53.888 [10.06 7.14 86] A
11	BD +50 46	HD 1337	00 17 43.0617 +51 25 59.125 [5.19 3.81 149] A
12	T V Cassiopeia	HD 1486	00 19 18.7422 +59 08 20.545 [7.03 4.87 146] A
15	T Cassiopeia	HD 1845	00 23 14.2716 +55 47 33.206 [8.24 6.79 135] A
16	R Andromeda	HD 1967	00 24 01.9469 +38 34 37.328 [44.29 18.54 69] A
13	HD 1976	HD 1976	00 24 15.6573 +52 01 11.690 [4.13 3.28 141] A
17	Kappa Cassiopeiae	HD 2905	00 32 59.9917 +62 55 54.418 [3.89 3.24 144] A
18	Pi Andromedae	HD 3369	00 36 52.8497 +33 43 09.637 [7.72 4.22 81] A
7	Alpha Andromeda	HD 358	00 08 23.2586 +29 05 25.555 [5.91 3.81 101] A
19	Alpha Cassiopeia 18	HD 3712	00 40 30.4405 +56 32 14.392 [3.73 2.75 159] A
20	HD 3901	HD 3901	00 42 03.8955 +50 30 45.093 [4.63 4.20 45] A
21	HD 4004	HD 4004	00 43 28.4 +64 45 35 D
22	Pi Cassiopeiae	HD 4058	00 43 28.0697 +47 01 28.367 [3.99 3.70 96] A
23	HD 4142	HD 4142	00 44 26.1917 +47 51 50.342 [3.55 3.33 67] A
24	21 Cassiopeia	HD 4161	00 45 39.0777 +74 59 17.063 [4.74 3.81 142] A
6	Beta Cassiopeia 11	HD 432	00 09 10.6851 +59 08 59.207 [4.29 3.53 158] A
25	Eta Cassiopeia (Brighter)	HD 4614	00 49 06.2912 +57 48 54.674 [4.71 2.71 136] A
26	Eta Cassiopeia (Fainter)	HD 4614B	00 49 06.51 +57 48 54.9 C
27	Nu Andromedae	HD 4727	00 49 48.8473 +41 04 44.079 [4.86 3.83 57] A
28	Gamma Cassiopeia 27	HD 5394	00 56 42.5317 +60 43 00.265 [4.25 3.32 137] A
29	Mu 37 Andromeda	HD 5448	00 56 45.2115 +38 29 57.641 [9.87 5.80 81] A
9	NGC 40 Nucleus	HD 826	00 13 01.0149 +72 31 19.085 [43.51 37.62 127] A
8	Gamma Pegasi	HD 886	00 13 14.1528 +15 11 00.945 [7.12 4.58 66] A
5	Bradley 132 (PGC 249)	MCG+06-01-009	00 03 32.20 +37 20 17.0 D
43	Gamma Andromeda	gam And	02 03 53.95 +42 19 47.0 D
36	Phi Persei	HD 10516	01 43 39.6375 +50 41 19.437 [4.91 4.27 17] A
37	Tau Ceti	HD 10700	01 44 04.0829 -15 56 14.928 [8.16 6.35 47] A
38	Epsilon Cassiopeia	HD 11415	01 54 23.7255 +63 40 12.365 [4.79 2.68 148] A
41	Alpha Trianguli	HD 11443	01 53 04.9079 +29 34 43.785 [6.16 4.28 72] A
39	Gamma Arietis (S)	HD 11502	01 53 31.80 +19 17 45.0 C
40	Beta Arietis	HD 11636	01 54 38.4091 +20 48 28.926 [9.03 4.60 88] A
42	Epsilon 3 Triangulum	HD 12471	02 02 57.9557 +33 17 02.886 [7.98 5.58 87] A
30	Beta Andromeda	HD 6860	01 09 43.9236 +35 37 14.008 [7.88 6.06 70] A
31	45 Andromedae	HD 7019	01 11 10.2775 +37 43 26.836 [6.85 4.24 57] A
32	Delta Cassiopeia	HD 8538	01 25 48.9523 +60 14 07.019 [4.60 2.99 122] A
33	Alpha Ursae Minores	HD 8890	02 31 49.0837 +89 15 50.794 [5.24 3.52 146] A
34	R Piscium	HD 9203	01 30 38.400 +02 52 53.56 [391.14 385.43 90] B
44	Kappa Arietis	HD 12869	02 06 33.9255 +22 38 53.941 [10.38 6.27 90] A
45	Alpha Arietis	HD 12929	02 07 10.4071 +23 27 44.723 [9.37 5.82 65] A
46	R Arietis 21	HD 13913	02 16 07.1133 +25 03 23.659 [13.35 10.40 83] A
47	W Andromeda	HD 14028	02 17 32.9606 +44 18 17.766 [11.39 6.59 26] A
48	Gamma 9 Triangulum	HD 14055	02 17 18.8673 +33 50 49.897 [8.12 5.86 58] A
49	Omicron Ceti	HD 14386	02 19 20.7927 -02 58 39.513 [10.53 5.52 55] A
50	DM +58 467	HD 14947	02 26 46.9893 +58 52 33.125 [13.43 5.30 117] A
51	BD -10 513	HD 16115	02 35 06.4995 -09 26 34.129 [10.14 7.15 60] A
52	HD 16523	HD 16523	02 41 11.6725 +56 43 49.717 [13.89 11.37 124] A
53	Delta Ceti	HD 16582	02 39 28.9567 +00 19 42.638 [8.82 5.46 70] A
54	Pi Ceti 89	HD 17081	02 44 07.3499 -13 51 31.307 [7.63 5.16 63] A

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55	RZ Cassiopeia	HD 17138	02 48 55.5105 +69 38 03.443 [5.21 3.13 155] A
56	Tau Persei	HD 17879	02 54 15.4605 +52 45 44.924 [17.15 5.47 97] A
57	21 Perseus	HD 18296	02 57 17.2825 +31 56 03.187 [7.24 5.99 70] A
58	Alpha Ceti	HD 18884	03 02 16.7721 +04 05 23.042 [8.24 5.35 67] A
59	Gamma Persei	HD 18925	03 04 47.7907 +53 30 23.184 [7.38 6.35 153] A
60	25 Persei	HD 19058	03 05 10.5934 +38 50 24.986 [6.13 5.37 63] A
61	Beta Persei Algol	HD 19356	03 08 10.1315 +40 57 20.332 [8.59 5.32 31] A
62	BD +57 702	HD 19557	03 11 25.3273 +57 54 11.226 [8.56 7.48 128] A
64	HR 985	HD 20336	03 19 59.2727 +65 39 08.253 [4.46 3.24 166] A
63	HD 20365	HD 20365	03 18 37.7413 +50 13 19.827 [5.71 3.62 31] A
65	Alpha Persei	HD 20902	03 24 19.3703 +49 51 40.247 [5.75 3.15 32] A
67	Xi Tauri	HD 21364	03 27 10.1527 +09 43 57.647 [11.33 5.41 46] A
70	Epsilon Eridani	HD 22049	03 32 55.8442 -09 27 29.744 [9.48 6.79 53] A
71	Psi Persei	HD 22192	03 36 29.3789 +48 11 33.481 [5.28 4.19 29] A
77	12 Tauri Taygeta	HD 22796	03 39 51.1223 +03 03 24.708 [8.28 6.02 52] A
72	Pleiades 11 Tauri	HD 22805	03 40 46.3096 +25 19 46.173 [8.72 5.89 53] A
98	Delta Persei	HD 22928	03 42 55.5028 +47 47 15.185 [6.38 5.86 4] A
73	Omicron Persei	HD 23180	03 44 19.1320 +32 17 17.693 [8.25 5.90 50] A
74	Pleiades 6 Celaeno	HD 23288	03 44 48.2154 +24 17 22.093 [9.21 6.06 64] A
75	17 Tauri	HD 23302	03 44 52.5373 +24 06 48.021 [7.76 5.61 75] A
76	18 Tauri	HD 23324	03 45 09.7391 +24 50 21.336 [8.66 5.36 53] A
79	20 Tauri Maia	HD 23408	03 45 49.6067 +24 22 03.895 [7.96 5.71 73] A
78	Asterope 21 k Tauri	HD 23432	03 45 54.4763 +24 33 16.240 [8.09 5.61 67] A
81	Asterope 22 L Tauri	HD 23441	03 46 02.9003 +24 31 40.433 [8.54 5.73 71] A
80	23 Tauri Merope	HD 23480	03 46 19.5739 +23 56 54.090 [7.94 5.51 83] A
85	Eta Tauri	HD 23630	03 47 29.0765 +24 06 18.494 [7.61 5.28 79] A
88	28 Tauri Pleione	HD 23862	03 49 11.2161 +24 08 12.163 [6.89 5.03 73] A
92	Zeta Persei	HD 24398	03 54 07.9215 +31 53 01.088 [8.14 5.40 63] A
93	DM +52 726	HD 24431	03 55 38.4208 +52 38 28.764 [10.03 6.56 123] A
94	X Persei	HD 24534	03 55 23.0773 +31 02 45.014 [9.41 6.01 46] A
95	Epsilon Persei	HD 24760	03 57 51.2307 +40 00 36.773 [7.65 4.00 55] A
96	Xi 46 Persei	HD 24912	03 58 57.9011 +35 47 27.717 [7.20 4.95 55] A
97	Lambda Tauri	HD 25204	04 00 40.8157 +12 29 25.248 [12.37 7.73 102] A
99	DM 61deg 667	HD 25408	04 05 53.8503 +61 47 39.988 [10.75 5.12 25] A
86	53 Tauri Anon. 28	HD 27295	04 19 26.0974 +21 08 32.304 [7.79 4.64 50] A
89	67 Tauri Anon. 34	HD 27946	04 25 25.0155 +22 11 59.993 [8.22 6.11 62] A
100	C Persei 48	HD 25940	04 08 39.6908 +47 42 45.046 [6.35 4.82 44] A
102	BD +30 624	HD 26125	04 09 17.7118 +30 38 34.317 [10.96 7.59 60] A
103	NGC 1535	HD 26847	04 14 15.76 -12 44 22.0 D
104	HD 27396	HD 27396	04 21 33.1668 +46 29 55.960 [7.94 4.71 52] A
106	55 Perseus	HD 27777	04 24 29.1552 +34 07 50.728 [7.30 4.78 50] A
101	NGC 1514	HD 281679	04 09 16.9844 +30 46 33.471 [108000.00 108000.00 255] A
107	Theta(2) Tauri	HD 28319	04 28 39.7408 +15 52 15.178 [9.31 5.25 107] A
105	T Tauri	HD 284419	04 21 59.4345 +19 32 06.429 [19.09 12.15 52] A
108	HD 28446	HD 28446	04 32 01.8398 +53 54 38.988 [7.99 7.02 89] A
110	Alpha Tauri	HD 29139	04 35 55.2387 +16 30 33.485 [7.99 5.29 67] A
111	9 or Alpha Camelopardalis	HD 30614	04 54 03.0113 +66 20 33.641 [4.50 3.46 47] A
112	Pi 4 Orionis	HD 30959	04 52 31.9621 +14 15 02.311 [12.02 6.52 72] A

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113	Pi 5 Orionis	HD 31139	04 53 22.7726 +02 30 29.610 [7.54 4.95 77] A
114	Epsilon Aurigae	HD 31964	05 01 58.1341 +43 49 23.910 [9.53 6.50 63] A
115	Zeta Aurigae	HD 32068	05 02 28.6869 +41 04 33.015 [10.83 5.03 50] A
116	Star N or 11 Camelopardalis	HD 32343	05 06 08.4527 +58 58 20.540 [5.48 4.67 83] A
117	11 Camelopardalis	HD 32343	05 06 08.4527 +58 58 20.540 [5.48 4.67 83] A
118	105 Tauri	HD 32991	05 07 55.4359 +21 42 17.355 [6.88 3.85 73] A
120	R Aurigae	HD 34019	05 17 17.6907 +53 35 10.042 [16.58 9.46 65] A
121	Alpha Aurigae	HD 34029	05 16 41.3591 +45 59 52.768 [6.89 4.34 80] A
122	AE Aurigae	HD 34078	05 16 18.1497 +34 18 44.341 [6.19 3.64 69] A
123	Lambda Aurigae	HD 34411	05 19 08.4745 +40 05 56.586 [8.00 4.66 91] A
124	DM +37 1146	HD 34656	05 20 43.0804 +37 26 19.197 [8.79 4.19 81] A
125	Eta Orionis	HD 35411	05 24 28.6167 -02 23 49.726 [8.31 5.89 72] A
128	25 Orionis	HD 35439	05 24 44.8265 +01 50 47.201 [7.08 3.60 103] A
126	Gamma Orionis	HD 35468	05 25 07.8631 +06 20 58.928 [9.06 5.23 70] A
127	Beta Tauri	HD 35497	05 26 17.5134 +28 36 26.820 [9.36 4.80 75] A
129	DM -12deg 1172	HD 35914	05 27 28.204 -12 41 50.26 [23.13 21.97 90] B
130	IC 418 Planetary Nebula	HD 35914	05 27 28.204 -12 41 50.26 [23.13 21.97 90] B
131	IC 418	HD 35914	05 27 28.204 -12 41 50.26 [23.13 21.97 90] B
133	HD 36166	HD 36166	05 29 54.7741 +01 47 21.337 [7.08 3.85 94] A
135	Chi Aurigae	HD 36371	05 32 43.6729 +32 11 31.278 [8.67 4.25 58] A
136	Delta Orionis Mintaka	HD 36485	05 32 00.405 -00 17 04.46 [20.36 19.79 0] B
137	120 Tauri	HD 36576	05 33 31.6299 +18 32 24.831 [11.24 4.43 89] A
139	Lambda Orionis Companion	HD 36861J	05 35 08.2771 +09 56 02.970 [8.44 4.52 93] A
141	Theta 2 Orionis	HD 37041	05 35 22.9008 -05 24 57.815 [8.30 5.78 79] A
143	Iota Orionis	HD 37043	05 35 25.9825 -05 54 35.645 [5.73 4.22 91] A
145	Epsilon Orionis Alnilam	HD 37128	05 36 12.8135 -01 12 06.911 [7.28 4.04 90] A
146	Phi (2) Orionis [SAO 112958]	HD 37160	05 36 54.3879 +09 17 26.422 [8.18 5.08 76] A
147	Zeta tauri	HD 37202	05 37 38.6858 +21 08 33.177 [14.80 6.06 57] A
149	Omega Orionis	HD 37490	05 39 11.1463 +04 07 17.281 [7.80 4.58 97] A
150	Zeta Orionis	HD 37742J	05 40 45.5271 -01 56 33.260 [6.39 3.51 94] A
156	II 2149	HD 39659	05 56 23.91 +46 06 17.3 D
152	Alpha Orionis	HD 39801	05 55 10.3053 +07 24 25.426 [20.24 11.61 75] A
154	HD 40111	HD 40111	05 57 59.6559 +25 57 14.083 [8.67 3.85 93] A
153	Beta Aurigae	HD 40183	05 59 31.7229 +44 56 50.758 [6.49 3.05 78] A
155	Theta 37 Aurigae	HD 40312	05 59 43.2690 +37 12 45.307 [9.35 4.26 78] A
157	HR 2142	HD 41335	06 04 13.5014 -06 42 32.189 [10.43 8.90 59] A
158	HR 2142 Monoceros	HD 41335	06 04 13.5014 -06 42 32.189 [10.43 8.90 59] A
138	Great Nebula Orion M42	M 42	05 35 17.3 -05 23 28 D
140	Orion Nebula	M 42	05 35 17.3 -05 23 28 D
151	FU Orionis	V* FU Ori	05 45 22.36 +09 04 12.3 D
144	T Orionis	V* T Ori	05 35 50.45 -05 28 35.0 D
159	HD 41753	HD 41753	06 07 34.3249 +14 46 06.498 [8.46 4.17 68] A
161	HD 42087	HD 42087	06 09 43.9847 +23 06 48.478 [9.34 5.97 97] A
160	DM +20 1284	HD 42088	06 09 39.5737 +20 29 15.453 [9.77 4.94 69] A
162	WY Geminorum	HD 42474	06 11 56.2491 +23 12 25.411 [8.96 5.46 87] A
163	BU Geminorum	HD 42543	06 12 19.0984 +22 54 30.651 [9.21 5.87 79] A
164	Eta Geminorum	HD 42995	06 14 52.6572 +22 30 24.476 [20.96 12.80 94] A
166	HD 44112	HD 44112	06 19 42.7984 -07 49 22.471 [5.99 4.99 96] A

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167	HR 2284	HD 44458	06 21 24.7153 -11 46 23.657 [11.25 10.20 79] A
165	Mu Geminorum	HD 44478	06 22 57.6270 +22 30 48.909 [9.84 5.30 66] A
168	V Monocerotis	HD 44639	06 22 43.5825 -02 11 43.501 [10.67 7.54 79] A
169	Beta Canis Majoris	HD 44743	06 22 41.9853 -17 57 21.304 [5.43 4.65 123] A
170	RT Aurigae 48	HD 45412	06 28 34.0889 +30 29 34.921 [10.25 4.83 67] A
171	Nu Geminorum	HD 45542	06 28 57.7867 +20 12 43.679 [8.86 5.42 65] A
172	Beta Monocerotis	HD 45726J	06 28 49.45 -07 02 03.5 C ~
173	AX Moncerotis	HD 45910	06 30 32.9376 +05 52 01.198 [7.18 5.66 70] A
174	13 Moncerotis	HD 46300	06 32 54.2273 +07 19 58.674 [8.70 4.33 61] A
175	49 Aurigae	HD 46553	06 35 12.0615 +28 01 20.329 [9.00 5.87 78] A
177	Gamma Geminorum	HD 47105	06 37 42.7011 +16 23 57.308 [35.76 14.77 60] A
176	53 Aurigae	HD 47152	06 38 23.0067 +28 59 03.673 [10.56 6.05 95] A
178	HD 48977	HD 48977	06 46 32.4158 +08 35 13.750 [6.16 4.35 110] A
179	Nova Geminorum #2	HD 50480	06 54 54.37 +32 08 28.1 D
180	HD 50896	HD 50896	06 54 13.0441 -23 55 42.011 [6.02 3.35 23] A
181	R Lyncis	HD 51610	07 01 18.0093 +55 19 49.766 [23.22 9.40 133] A
182	Epsilon Canis Majoris	HD 52089	06 58 37.5485 -28 58 19.501 [5.09 4.20 10] A
183	DM -3 1685	HD 52432	07 01 01.9531 -03 15 09.140 [7.68 5.08 77] A
184	Zeta Geminorum	HD 52973	07 04 06.5318 +20 34 13.069 [7.16 4.91 92] A
186	Delta Canis Majoris	HD 54605	07 08 23.4843 -26 23 35.519 [4.37 3.28 29] A
188	U Monocerotis	HD 59693	07 30 47.4681 -09 46 36.803 [6.47 4.56 84] A
517	Alpha Canis Minoris	HD 61421	07 39 18.1183 +05 13 29.975 [7.59 3.07 87] A
190	Beta Geminorum	HD 62509	07 45 18.9503 +28 01 34.315 [9.05 4.61 91] A
191	Zeta Puppis	HD 66811	08 03 35.0467 -40 00 11.332 [4.00 3.43 119] A
192	29 Monocerotis	HD 67594	08 08 35.6479 -02 59 01.629 [7.26 4.52 100] A
194	Beta Cancri	HD 69267	08 16 30.9206 +09 11 07.961 [13.30 6.68 82] A
195	Omicron Ursae Majoris	HD 71369	08 30 15.8700 +60 43 05.409 [4.08 3.61 161] A
196	RZ Cancri	HD 73343	08 39 08.5397 +31 47 44.476 [14.43 8.79 109] A
197	HD 74280	HD 74280	08 43 13.4752 +03 23 55.184 [9.43 5.67 81] A
198	Epsilon Hydrae	HD 74874	08 46 46.5106 +06 25 07.713 [13.77 8.88 106] A
199	S Hydrae	HD 76011	08 53 33.9463 +03 04 06.486 [24.64 12.22 92] A
200	T Hydrae	HD 76400	08 55 39.8443 -09 08 29.356 [17.63 9.09 109] A
202	Iota Ursae Majoris	HD 76644	08 59 12.4539 +48 02 30.575 [7.36 4.07 86] A
201	BD +34 1927	HD 76731	08 59 06.1037 +33 39 04.532 [12.69 8.32 113] A
193	Nova Puppis	V* CP Pup	08 11 46.07 -35 21 05.0 D
203	F Ursae Majoris [SAO 27136]	HD 78209	09 08 52.2563 +51 36 16.734 [7.29 4.38 84] A
204	Tau Ursae Majoris	HD 78362	09 10 55.0609 +63 30 49.078 [6.51 5.07 87] A
205	RS Cancri	HD 78712	09 10 38.7990 +30 57 47.300 [9.53 4.16 90] A
206	BD +14 2048	HD 79319	09 13 50.0829 +14 12 39.192 [12.56 4.25 102] A
208	Theta Ursae Majoris	HD 82328	09 32 51.4343 +51 40 38.281 [5.27 3.30 99] A
209	Omicron Leonis	HD 83808	09 41 09.0328 +09 53 32.309 [7.96 4.27 111] A
210	15 Leonis F	HD 84107	09 43 33.2600 +29 58 28.104 [6.99 4.65 99] A
211	R Leonis Minoris	HD 84346	09 45 34.2831 +34 30 42.775 [21.05 16.04 94] A
212	Epsilon Leonis	HD 84441	09 45 51.0730 +23 46 27.317 [6.82 4.56 94] A
213	R Leonis	HD 84748	09 47 33.4904 +11 25 43.646 [13.06 4.89 106] A
218	Gamma Leonis 41	CCDM J10199+1951A1	10 19 58.3545 +19 50 29.359 [10.39 5.51 107] A
214	21 Leonis Minoris	HD 87696	10 07 25.7615 +35 14 40.896 [6.27 4.39 109] A
215	Eta Leonis 30	HD 87737	10 07 19.9523 +16 45 45.592 [8.04 3.83 89] A

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216	32 Alpha Leonis Regulus	HD 87901	10 08 22.3107 +11 58 01.945 [6.56 4.00 104] A
217	U Ursae Majoris	HD 88651	10 15 07.6671 +59 59 07.942 [4.58 3.70 95] A
219	30 Leonis Minoris	HD 90277	10 25 54.8143 +33 47 46.033 [6.26 3.61 107] A
221	33 Leonis Minoris	HD 91130	10 31 51.3757 +32 22 46.396 [5.53 3.31 110] A
222	Rho Leonis	HD 91316	10 32 48.6719 +09 18 23.708 [9.23 4.48 86] A
223	49 Leonis	HD 91636	10 35 02.1589 +08 39 01.532 [10.33 5.14 93] A
224	U Hydrae	HD 92055	10 37 33.2725 -13 23 04.354 [6.92 4.58 86] A
225	R Ursae Majoris	HD 92763	10 44 38.4708 +68 46 32.697 [30.87 27.80 97] A
226	42 Leonis Minoris	HD 93152	10 45 51.8941 +30 40 56.328 [7.42 4.43 90] A
227	Beta Ursa Majoris	HD 95418	11 01 50.4768 +56 22 56.736 [3.35 3.13 33] A
228	Alpha Ursa Majoris	HD 95689	11 03 43.6687 +61 45 03.720 [4.05 3.49 40] A
229	Chi Leonis	HD 96097	11 05 01.0273 +07 20 09.626 [8.58 5.98 91] A
235	Lambda Draconis 1	HD 100029	11 31 24.2205 +69 19 51.873 [3.92 3.55 55] A
237	Beta Leonis 94	HD 102647	11 49 03.5776 +14 34 19.417 [14.62 5.70 78] A
238	Gamma Ursae Majoris 64	HD 103287	11 53 49.8475 +53 41 41.136 [5.42 2.84 42] A
232	Delta Leonis 68	HD 97603	11 14 06.5013 +20 31 25.381 [8.67 5.63 100] A
231	Theta Leonis	HD 97633	11 14 14.4052 +15 25 46.453 [6.73 5.22 101] A
233	55 Ursae Majoris	HD 98353	11 19 07.9010 +38 11 08.004 [9.85 4.53 150] A
234	57 Ursae Majoris	HD 99787	11 29 04.1219 +39 20 13.108 [5.48 4.31 125] A
240	Omicron Virginis	HD 104979	12 05 12.5396 +08 43 58.748 [7.02 3.83 103] A
241	R Corvi [SAO 157211]	HD 107199	12 19 37.8719 -19 15 21.844 [24.59 13.36 130] A
242	Kappa Draconis 5	HD 109387	12 33 28.9443 +69 47 17.656 [4.94 4.22 150] A
243	T Ursae Majoris	HD 109729	12 36 23.4660 +59 29 12.982 [17.67 15.21 82] A
244	R Virginis	HD 109914	12 38 29.9349 +06 59 19.028 [11.50 6.74 118] A
245	S Ursae Majoris	HD 110813	12 43 56.6758 +61 05 35.509 [8.64 7.02 159] A
246	Y Canum Venaticorum	HD 110914	12 45 07.8270 +45 26 24.922 [5.65 4.87 57] A
247	DM +46 1817	HD 110914	12 45 07.8270 +45 26 24.922 [5.65 4.87 57] A
249	77 Ursae Majoris Epsilon	HD 112185	12 54 01.7494 +55 57 35.356 [4.37 3.90 178] A
250	Alpha Canum Venaticorum	HD 112413	12 56 01.6674 +38 19 06.167 [8.68 6.65 64] A
251	Epsilon Virginis	HD 113226	13 02 10.5971 +10 57 32.941 [7.55 4.15 110] A
255	PGC 3459	APMBGC 151+079-00	00 57 54.9 -54 42 30 D
262	Groombridge 2044 or PGC 3552	ESO 113-1	00 59 25.4 -60 21 22 D
252	SD -19 3634	HD 113801	13 06 24.8029 -20 03 31.464 [10.44 4.49 113] A
254	20 Canum Venaticorum	HD 115604	13 17 32.5406 +40 34 21.387 [4.46 3.20 13] A
256	Zeta 1 Ursae Majoris 79	HD 116656	13 23 55.5429 +54 55 31.302 [4.21 4.09 48] A
257	Zeta 2 Ursae Majoris	HD 116657	13 23 56.41 +54 55 18.1 C ~
258	g 80 Ursae Majoris Alcor	HD 116842	13 25 13.5379 +54 59 16.648 [4.56 3.70 162] A
259	R Hydrae	HD 117287	13 29 42.7803 -23 16 52.792 [15.61 9.71 114] A
260	Zeta Virginis 79	HD 118098	13 34 41.5920 -00 35 44.953 [9.03 4.14 130] A
261	81 Ursae Majoris	HD 118214	13 34 07.3059 +55 20 54.361 [4.45 3.85 136] A
263	Tau Bootis 4	HD 120136	13 47 15.7429 +17 27 24.862 [5.78 3.49 118] A
264	Eta Ursae Majoris 85	HD 120315	13 47 32.4377 +49 18 47.754 [4.95 4.40 175] A
265	R Canis Venaticorum	HD 120499	13 48 57.0435 +39 32 33.191 [9.55 8.42 20] A
276	Epsilon Bootis	CCDM J14449+2704A1	14 44 59.2177 +27 04 27.201 [7.07 4.24 129] A
267	Alpha Draconis 11	HD 123299	14 04 23.3498 +64 22 33.062 [4.63 3.90 161] A
268	12 Bootis	HD 123999	14 10 23.9336 +25 05 30.037 [6.37 4.04 108] A
269	HR 5313	HD 124224	14 12 15.8043 +02 24 33.958 [7.81 4.60 97] A
270	Alpha Bootis	HD 124897	14 15 39.6720 +19 10 56.677 [5.68 3.98 121] A

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271	A Bootis	HD 125351	14 17 59.8196 +35 30 34.219 [4.88 4.00 152] A
273	V Bootis	HD 127335	14 29 45.2669 +38 51 40.648 [6.43 6.00 4] A
274	Gamma Bootis	HD 127762	14 32 04.6719 +38 18 29.709 [5.04 4.00 18] A
275	R Bootis	HD 128609	14 37 11.5787 +26 44 11.663 [10.72 6.26 133] A
277	Beta Ursae Minoris	HD 131873	14 50 42.3264 +74 09 19.818 [5.10 3.81 15] A
279	Delta Librae	HD 132742	15 00 58.3486 -08 31 08.195 [8.88 5.15 127] A
278	40 Bootis	HD 132772	14 59 36.9472 +39 15 55.200 [4.41 4.03 20] A
283	Mu 2 Bootis	ADS 9026	15 25 +37.4 D
280	Beta Librae 27	HD 135742	15 17 00.4148 -09 22 58.503 [7.97 6.00 95] A
281	U Coronae Borealae [U CrB]	HD 136175	15 18 11.3524 +31 38 49.420 [6.07 3.87 21] A
282	S Coronae Borealae [S CrB]	HD 136753	15 21 23.9556 +31 22 02.585 [8.08 5.29 2] A
284	3 Beta Coronae Borealae [Beta CrB]	HD 137909	15 27 49.7308 +29 06 20.530 [5.15 3.17 12] A
285	Beta Coronae Borealae	HD 137909	15 27 49.7308 +29 06 20.530 [5.15 3.17 12] A
286	Theta 4 Coronae Borealae [4 CrB]	HD 138749	15 32 55.7825 +31 21 32.880 [5.47 3.80 25] A
287	5 Alpha Coronae Borealae [alpha CrB]	HD 139006	15 34 41.2681 +26 42 52.895 [5.42 4.13 128] A
288	Iota Serpentis	HD 140159	15 41 33.0552 +19 40 13.442 [8.72 7.53 131] A
289	RR Coronae Borealae [RR CrB]	HD 140297	15 41 26.2286 +38 33 26.599 [6.08 4.99 176] A
290	Gamma Coronae Borealae [Gamma CrB]	HD 140436	15 42 44.5650 +26 17 44.295 [5.55 3.92 145] A
291	Alpha Serpentis 24	HD 140573	15 44 16.0749 +06 25 32.257 [7.32 5.46 110] A
292	HR 5857 Draconis	HD 140728	15 42 50.7598 +52 21 39.249 [5.18 4.07 31] A
294	25 Serpentis	HD 140873	15 46 05.6371 -01 48 15.094 [6.29 5.11 103] A
295	R Coronae Borealae [R CrB]	HD 141527	15 48 34.4149 +28 09 24.296 [4.33 3.29 172] A
296	Delta Coronae Borealae [Delta CrB]	HD 141714	15 49 35.6462 +26 04 06.220 [4.87 4.29 18] A
297	R Serpentis	HD 141850	15 50 41.7341 +15 08 01.108 [15.16 11.71 102] A
298	R Serpentis	HD 141850	15 50 41.7341 +15 08 01.108 [15.16 11.71 102] A
299	Lambda 12 Coronae Borealae [12 CrB]	HD 142908	15 55 47.5869 +37 56 49.048 [5.43 4.05 159]
300	48 Librae	HD 142983	15 58 11.3689 -14 16 45.691 [7.53 5.86 103] A
301	Epsilon Coronae Borealae [Epsilon CrB]	HD 143107	15 57 35.2518 +26 52 40.368 [4.96 3.90 9] A
302	T Coronae Borealae [T CrB]	HD 143454	15 59 30.1611 +25 55 12.601 [13.16 9.41 26] A
293	Nova CT Serpantis 1948	V* CT Ser	15 45 38.97 +14 22 32.7 D
303	X Herculis	HD 144205	16 02 39.1739 +47 14 25.279 [7.34 6.63 26] A
304	SX Herculis	HD 144921	16 07 27.2521 +24 54 29.927 [7.53 5.17 9] A
305	IC II 4593 [IC 4593]	HD 145649	16 11 44.544 +12 04 17.06 [42.10 40.39 90] B
306	Delta Ophiuchi 1	HD 146051	16 14 20.7395 -03 41 39.563 [10.83 6.59 122] A
307	Chi Ophiuchi 7	HD 148184	16 27 01.4349 -18 27 22.504 [8.33 5.71 116] A
308	U Herculis	HD 148206	16 25 47.4713 +18 53 32.867 [8.37 6.66 30] A
309	Eta Draconis	HD 148387	16 23 59.4861 +61 30 51.167 [3.89 3.78 63] A
310	g Herculis	HD 148783	16 28 38.5477 +41 52 54.038 [5.89 4.29 40] A
311	Beta Herculis	HD 148856	16 30 13.1999 +21 29 22.608 [7.18 4.96 148] A
312	Tau Scorpii	HD 149438	16 35 52.9537 -28 12 57.658 [8.65 3.62 133] A
313	W Herculis	HD 149749	16 35 12.317 +37 20 42.88 [32.25 29.09 0] B
314	Zeta Ophiuchi	HD 149757	16 37 09.5378 -10 34 01.524 [8.58 5.39 124] A
315	Zeta Herculis	HD 150680	16 41 17.1603 +31 36 09.812 [5.72 5.15 177] A
316	Eta Herculis	HD 150997	16 42 53.7653 +38 55 20.116 [5.14 3.40 40] A
317	52 Herculis	HD 152107	16 49 14.2185 +45 58 59.963 [5.13 4.20 34] A
318	S Herculis 49	HD 152276	16 51 53.9203 +14 56 30.761 [11.57 7.39 58] A
319	Kappa Ophiuchi	HD 153210	16 57 40.0973 +09 22 30.118 [5.58 3.82 71] A
321	Epsilon Ursa Minoris	HD 153751	16 45 58.2438 +82 02 14.143 [8.65 5.85 169] A

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320	Epsilon Herculis	HD 153808	17 00 17.3738 +30 55 35.057 [5.89 4.13 2] A
322	SY Herculis	V* SY Her	17 01 29.2530 +22 28 38.707 [12.18 9.84 20] A
323	R Ophiuchi	HD 154721	17 07 45.785 -16 05 33.98 [37.11 19.81 90] B
324	64 Alpha Herculis (Brighter)	HD 156014	17 14 38.88 +14 23 25.0 C ~
325	BD +42 2811	HD 156074	17 13 31.2418 +42 06 22.769 [5.69 4.79 6] A
326	Z Ophiuchi	HD 156801	17 19 32.1165 +01 30 54.215 [11.01 6.48 84] A
327	RS Herculis 73	HD 157330	17 21 42.3568 +22 55 16.031 [12.84 10.74 22] A
328	HD 157978-9	HD 157978	17 26 19.0097 +07 35 44.341 [108000.00 108000.00 255] A
329	Beta Draconis 23	HD 159181	17 30 25.9620 +52 18 04.994 [4.61 3.79 8] A
330	Alpha Ophiuchi 55	HD 159561	17 34 56.0705 +12 33 36.125 [108000.00 108000.00 255] A
332	Beta Ophiuchi 60	HD 161096	17 43 28.3531 +04 34 02.290 [5.40 3.61 95] A
331	XX Ophiuchi	HD 161114	17 43 56.4972 -06 16 08.750 [9.44 6.36 84] A
334	Mu Herculis 86	HD 161797	17 46 27.5269 +27 43 14.434 [4.72 4.27 160] A
335	Nova Ophiuchi No. 3	HD 162214	17 50 13.202 -06 42 28.48 [105.42 100.94 179] B
336	Nu Herculis	HD 164136	17 58 30.1494 +30 11 21.396 [4.61 3.93 49] A
337	67 Ophiuchi	HD 164353	18 00 38.7157 +02 55 53.643 [108000.00 108000.00 255] A
338	NGC 6543	HD 164963	17 58 33.423 +66 37 59.52 [349.36 342.53 0] B
333	Nove Scorpiae (wrong star)	V* V719 Sco	17 45 43.71 -34 00 55.1 D
339	70 Ophiuchi	HD 165341	18 05 27.2855 +02 30 00.358 [10.44 6.71 61] A
340	HD 165402	HD 165402	18 06 07.3995 -08 19 26.240 [10.83 7.13 89] A
341	HD 165763	HD 165763	18 08 28.4686 -21 15 11.191 [9.08 5.08 106] A
342	Omicron Herculis 103	HD 166014	18 07 32.5507 +28 45 44.959 [4.61 3.58 61] A
343	Delta Ursa Minoris	HD 166205	17 32 13.0005 +86 35 11.258 [4.78 3.69 39] A
345	T Herculis	HD 166382	18 09 06.2107 +31 01 16.210 [8.31 6.82 0] A
346	W Lyrae	HD 167740	18 14 55.8783 +36 40 13.233 [8.15 7.42 9] A
347	HD 168206	HD 168206	18 19 07.3656 -11 37 59.173 [13.04 7.84 90] A
348	D Serpentes 59	HD 169985	18 27 12.5084 +00 11 45.990 [8.85 7.26 71] A
349	Phi Draconis 43	HD 170000	18 20 45.4304 +71 20 16.132 [4.97 4.55 23] A
351	Alpha Lyrae 3 Vega	HD 172167	18 36 56.3364 +38 47 01.291 [5.65 4.88 144] A
350	X Ophiuchi	HD 172171	18 38 21.1255 +08 50 02.807 [153.90 125.71 107] A
352	R Scuti	HD 173819	18 47 28.9503 -05 42 18.529 [6.22 4.03 107] A
353	111 Herculis	HD 173880	18 47 01.2738 +18 10 53.468 [5.15 4.91 142] A
354	Nova Aquilae	HD 174107	18 48 54.6366 +00 35 02.863 [108000.00 108000.00 255] A
356	Beta Lyrae	HD 174638	18 50 04.7947 +33 21 45.601 [4.68 3.79 159] A
357	Ring Nebulae Lyra [M57]	HD 175353	18 53 35.08 +33 01 45.0 D
358	113 Herculis	HD 175492	18 54 44.872 +22 38 42.10 [141.51 131.87 90] B
361	Gamma Lyrae 14	HD 176437	18 58 56.6227 +32 41 22.407 [4.25 3.57 1] A
362	DM -5 4858	HD 177336	19 04 24.1553 -05 41 05.434 [6.17 4.52 84] A
355	V Lyrae 9	HD 178876	19 09 03.8 +29 39 24 D ~
344	Nova Herculis	V* DQ Her	18 07 30.17 +45 51 31.9 D
359	Nova Scuti 1949	V* EU Sct	18 56 13.00 -04 12 32.7 D
360	Nova Herculis 1960	V* V446 Her	18 57 21.51 +13 14 29.9 D
366	Omicron Sagittarii	HD 177241	19 04 40.9817 -21 44 29.384 [7.24 4.13 100] A
364	NGC 6751	HD 177656	19 05 55.56 -05 59 32.9 D
365	Zeta Aquilae	HD 177724	19 05 24.6082 +13 51 48.521 [5.17 3.80 77] A
363	Lambda Aquilae	HD 177756	19 06 14.9384 -04 52 57.195 [5.70 4.10 85] A
367	Upsilon Sagittarii	HD 181615	19 21 43.6231 -15 57 18.063 [6.03 3.88 93] A
368	DM -10 5057	HD 182040	19 23 10.0775 -10 42 11.543 [7.06 4.09 76] A

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371	Delta Aquilae	HD 182640	19 25 29.9005 +03 06 53.191 [8.92 6.21 68] A
373	RR Lyræ	HD 182989	19 25 27.9129 +42 47 03.696 [5.44 4.46 26] A
374	4 Cygni	HD 183056	19 26 09.1269 +36 19 04.427 [4.96 3.91 8] A
375	DM +76 734	HD 183556	19 21 35.5164 +76 33 34.545 [6.06 4.11 63] A
376	Beta Cygni [SAO 87301]	HD 183912	19 30 43.2806 +27 57 34.852 [6.17 4.21 154] A
377	AF Cygni	HD 184008	19 30 12.8543 +46 08 52.081 [5.72 4.47 78] A
378	DM +30 3639	HD 184738	19 34 45.2323 +30 30 58.936 [15.30 13.79 176] A
379	RT Aquilæ	HD 185293	19 38 01.6032 +11 43 18.228 [18.98 14.32 84] A
380	RT Cygni	HD 186686	19 43 37.7677 +48 46 41.345 [7.77 6.45 48] A
381	NGC 6826	HD 186924	19 44 48.150 +50 31 30.26 [33.87 22.38 90] B
382	Delta Sagittæ	HD 187076J	19 47 23.2624 +18 32 03.430 [6.41 4.79 88] A
383	HD 187282	HD 187282	19 48 32.1981 +18 12 03.684 [10.93 8.19 105] A
384	Alpha Aquilæ	HD 187642	19 50 46.9990 +08 52 05.959 [6.59 6.17 79] A
386	Chi Cygni	HD 187796	19 50 33.9220 +32 54 50.610 [8.55 6.34 147] A
387	Eta Aquilæ	HD 187929	19 52 28.3679 +01 00 20.378 [10.36 5.85 109] A
389	S Sagittæ 10	HD 188727	19 56 01.2640 +16 38 05.277 [5.74 4.59 56] A
391	HD 190429	HD 190429	20 03 29.3991 +36 01 30.504 [8.27 6.89 169] A
392	DM +35 3930	HD 190429	20 03 29.3991 +36 01 30.504 [8.27 6.89 169] A
370	BF Cygni	V* BF Cyg	19 23 53.506 +29 40 29.22 [28.52 27.15 0] B
385	CI Cygni	V* CI Cyg	19 50 11.8339 +35 41 03.003 [13.67 12.49 147] A
372	Nova 368 Aquilæ (October 1936)	V* V368 Aql	19 26 34.41 +07 36 13.6 D
388	Nova 465 Cygni 1948	V* V465 Cyg	19 52 37.61 +36 33 52.6 D
390	Nova Cygni #3 1920	V* V476 Cyg	19 58 24.57 +53 37 07.1 D
393	HD 190864	HD 190864	20 05 39.8023 +35 36 27.987 [5.80 5.69 20] A
394	HD 190918	HD 190918	20 05 57.3242 +35 47 18.140 [8.34 7.76 32] A
396	BD +35 3953	HD 190918	20 05 57.3242 +35 47 18.140 [8.34 7.76 32] A
395	HD 190919	HD 190919	20 05 56.1614 +35 40 19.495 [5.07 5.03 65] A
398	b2 Cygni 28	HD 191610	20 09 25.6191 +36 50 22.638 [3.98 3.46 163]
401	Theta Aquilæ	HD 191692	20 11 18.2855 -00 49 17.260 [9.52 5.35 88] A
399	HD 191765	HD 191765	20 10 14.1928 +36 10 35.068 [5.58 5.12 12] A
402	DM +35 4001	HD 191765	20 10 14.1928 +36 10 35.068 [5.58 5.12 12] A
403	20 Vulpeculæ	HD 192044	20 12 00.7015 +26 28 43.704 [4.64 2.86 134] A
404	DM +35 4013	HD 192103	20 11 53.5272 +36 11 50.529 [5.41 4.92 8] A
405	BD +37 3821	HD 192163	20 12 06.5421 +38 21 17.779 [4.65 4.34 9] A
407	31 Cygni	HD 192577	20 13 37.904 +46 44 28.87 [34.53 24.64 0] B
408	DM +36 3956	HD 192641	20 14 31.7671 +36 39 39.601 [6.41 5.79 144] A
409	HD 192641	HD 192641	20 14 31.7671 +36 39 39.601 [6.41 5.79 144] A
410	32 Cygni	HD 192641	20 14 31.7671 +36 39 39.601 [6.41 5.79 144] A
397	DM +36 3959	HD 192661	20 14 39.6181 +36 45 07.451 [4.45 4.36 18] A
411	HD 193077	HD 193077	20 17 00.0273 +37 25 23.773 [12.76 10.71 5] A
412	DM +36 3987	HD 193077	20 17 00.0273 +37 25 23.773 [12.76 10.71 5] A
413	P Cygni	HD 193237	20 17 47.2018 +38 01 58.549 [3.72 3.47 10] A
414	35 Cygni	HD 193370	20 18 39.0699 +34 58 57.990 [3.62 3.01 125]
415	Beta Capricorni	HD 193495	20 21 00.6757 -14 46 52.922 [20.54 7.70 50] A
417	DM +38 4010	HD 193576	20 19 32.4218 +38 43 53.961 [6.20 6.04 133] A
418	HD 193576	HD 193576	20 19 32.4218 +38 43 53.961 [6.20 6.04 133] A
420	HD 193793	HD 193793	20 20 27.9759 +43 51 16.274 [5.12 4.18 97] A
421	DM +43 3571	HD 193793	20 20 27.9759 +43 51 16.274 [5.12 4.18 97] A

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422	25 Vulpeculae	HD 193911	20 22 03.4307 +24 26 45.957 [4.97 4.28 58] A
423	HD 193928	HD 193928	20 21 31.7278 +36 55 12.777 [9.53 8.52 139] A
424	Gamma Cygni	HD 194093	20 22 13.7019 +40 15 24.045 [4.10 3.33 28] A
426	HD 196775	HD 196775	20 39 04.9672 +15 50 17.516 [7.55 4.43 56] A
427	Alpha Delphini	HD 196867	20 39 38.2874 +15 54 43.459 [7.92 4.36 47] A
425	Alpha Cygni Deneb	HD 197345	20 41 25.9147 +45 16 49.217 [5.40 3.41 101] A
428	Lambda Cygni	HD 198183	20 47 24.5378 +36 29 26.580 [4.83 4.29 174] A
429	HD 199140	HD 199140	20 54 22.3943 +28 31 19.186 [4.30 4.24 71] A
431	DM +44 3639	HD 199579	20 56 34.7779 +44 55 28.999 [5.87 4.00 124] A
433	f Cygni 59	HD 200120	20 59 49.5565 +47 31 15.424 [6.43 5.10 46] A
434	R Vulpeculae	HD 200687	21 04 22.5021 +23 49 18.072 [9.33 7.20 63] A
419	V Sagittae	V* V Sge	20 20 14.693 +21 06 10.40 [61.93 56.63 0] B
436	61 Cygni A	ADS 14636 AB	21 06 54.6 +38 44 45 [3000 3000 76]
437	61 Cygni B	ADS 14636 AB	21 06 54.6 +38 44 45 [3000 3000 76]
435	HD 200775 BD +67 1283	HD 200775	21 01 36.9198 +68 09 47.763 [5.66 4.70 88] A
438	T Cephei	HD 202012	21 09 31.7819 +68 29 27.206 [6.75 5.61 91] A
439	Sigma Cygni	HD 202850	21 17 24.9529 +39 23 40.853 [4.10 3.64 140] A
440	Upsilon Cygni 66	HD 202904	21 17 55.0764 +34 53 48.832 [3.79 3.02 155] A
442	HD 203245	HD 203245	21 19 28.7505 +49 30 37.058 [5.34 3.72 115] A
444	6 Cephei	HD 203467	21 19 22.2201 +64 52 18.679 [4.63 4.11 81] A
447	Beta Cephei	HD 205021	21 28 39.5971 +70 33 38.578 [4.98 3.85 117] A
445	Rho Cygni	HD 205435	21 33 58.8525 +45 35 30.615 [4.77 3.72 118] A
449	Epsilon Capricorni 39	HD 205637	21 37 04.8311 -19 27 57.642 [8.33 4.93 70] A
450	W Cygni	HD 205730	21 36 02.4957 +45 22 28.529 [5.84 4.78 128] A
451	74 Cygni	HD 205835	21 36 56.9759 +40 24 48.675 [5.40 3.98 156] A
452	9 Cephei	HD 206165	21 37 55.2245 +62 04 54.983 [4.20 3.36 98] A
453	BD +56 2617	HD 206267	21 38 57.6184 +57 29 20.535 [7.52 4.71 39] A
454	DM +34 4500	HD 206570	21 42 01.0840 +35 30 36.722 [5.31 3.81 178] A
455	Epsilon Pegasi 8	HD 206778	21 44 11.1581 +09 52 30.041 [10.19 4.09 82] A
456	Mu Cephei	HD 206936	21 43 30.4609 +58 46 48.166 [4.96 3.54 43] A
457	Delta Capricorni	HD 207098	21 47 02.4451 -16 07 38.229 [10.85 5.74 92] A
458	Nu Cephei	HD 207260	21 45 26.9255 +61 07 14.901 [3.85 3.42 89] A
459	AG Pegasi	HD 207757	21 51 01.9749 +12 37 32.113 [16.48 8.09 93] A
460	VV Cephei	HD 208816	21 56 39.1437 +63 37 32.006 [5.51 4.00 90] A
461	HD 209008	HD 209008	22 00 07.9276 +06 43 02.775 [8.01 6.03 82] A
462	Omicron Aquarii	HD 209409	22 03 18.8441 -02 09 19.307 [8.73 5.16 85] A
463	DM +20 5071	HD 209621	22 04 25.1431 +21 03 08.991 [13.01 7.97 21] A
465	19 Cephei	HD 209975	22 05 08.7891 +62 16 47.329 [4.74 3.98 85] A
464	Iota Pegasi	HD 210027	22 07 00.6661 +25 20 42.402 [6.14 4.44 27] A
466	25 Pegasi	HD 210129	22 07 50.3043 +21 42 10.532 [6.53 4.44 87] A
467	Lambda Cephei	HD 210839	22 11 30.5761 +59 24 52.155 [3.98 3.30 108] A
469	HD 211853	HD 211853	22 18 45.6051 +56 07 33.907 [9.94 6.04 46] A
470	31 Pegasi	HD 212076	22 21 31.0750 +12 12 18.670 [8.83 5.33 95] A
471	2 Lacertae	HD 212120	22 21 01.5467 +46 32 11.650 [3.60 2.78 138] A
473	Pi Aquarii	HD 212571	22 25 16.6232 +01 22 38.642 [6.97 4.10 95] A
472	4 Lacertae	HD 212593	22 24 30.9911 +49 28 35.013 [3.31 2.86 156]
475	Delta Cephei	HD 213306	22 29 10.2663 +58 24 54.715 [6.30 5.69 102] A
476	5 Lacertae	HD 213311	22 29 31.8222 +47 42 24.792 [3.16 2.87 158] A

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477	BD+42 4420	HD 213420	22 30 29.2599 +43 07 24.153 [4.69 2.69 147] A
480	BD +45 3983	HD 213871	22 33 37.5863 +46 33 54.966 [5.09 4.42 179] A
478	Eta Aquarii	HD 213998	22 35 21.3806 -00 07 02.991 [8.29 5.43 73] A
479	HD 214167 Lacertae 8	HD 214167	22 35 52.2853 +39 38 03.590 [21.87 15.96 75] A
481	W Cephei	HD 214369	22 36 27.5611 +58 25 33.943 [108000.00 108000.00 255] A
482	HD 214419	HD 214419	22 36 53.9541 +56 54 20.986 [8.02 6.09 118] A
484	10 Lacertae	HD 214680	22 39 15.6787 +39 03 00.969 [5.93 4.51 90] A
485	BD +45 4008	HD 214694	22 39 17.335 +46 01 02.13 [26.61 21.76 0] B
486	BD +45 4011	HD 214819	22 40 03.8314 +46 06 41.477 [10.53 9.99 103] A
487	BD +45 4015	HD 214945	22 41 03.9755 +46 10 24.768 [9.47 8.76 60] A
488	Eta Pegasi	HD 215182	22 43 00.1374 +30 13 16.483 [5.71 4.35 42] A
489	BD +41 4594	HD 215373	22 44 05.4790 +41 49 09.245 [3.93 2.84 0] A
490	BD +45 4040	HD 215486	22 44 49.203 +46 27 27.27 [30.44 30.13 0] B
492	BD +45 4061	HD 216002	22 48 23.8383 +46 05 29.730 [8.50 7.89 49] A
493	BD +41 4623	HD 216200	22 50 21.7749 +41 57 12.217 [4.80 3.61 24] A
494	BD +40 4926	HD 216369	22 51 49.4250 +41 18 46.675 [4.81 3.86 43] A
495	HR 8731	HD 217050	22 57 04.5023 +48 41 02.645 [4.13 2.94 149] A
496	Omicron Andromedae	HD 217675	23 01 55.2643 +42 19 33.525 [3.79 2.81 8] A
497	Beta Piscium	HD 217891	23 03 52.6140 +03 49 12.163 [8.63 6.26 47] A
498	Beta Pegasi 53	HD 217906	23 03 46.4575 +28 04 58.041 [5.51 3.79 39] A
499	Alpha Pegasi 54	HD 218045	23 04 45.6538 +15 12 18.952 [5.82 5.09 58] A
468	Nova Lacertae 1936	V* CP Lac	22 15 41.07 +55 37 01.1 D
491	Nova DK Lacertae 1950	V* DK Lac	22 49 46.86 +53 17 18.3 D
508	1 H Cassiopeiae	HD 218376	23 06 36.8176 +59 25 11.136 [5.12 3.57 133] A
500	HD 219460	HD 219460	23 15 12.3986 +60 27 01.820 [41.83 35.41 70] A
501	W Pegasi	HD 219946	23 19 50.5009 +26 16 43.659 [11.64 7.40 55] A
502	S Pegasi	HD 220033	23 20 32.6145 +08 55 08.143 [20.53 15.40 71] A
503	64 Pegasi	HD 220222	23 21 54.9331 +31 48 44.873 [7.90 4.05 66]
504	67 Pegasi	HD 220599	23 24 50.8323 +32 23 05.574 [5.78 3.37 75] A
505	NGC 7662	HD 220733	23 25 54.001 +42 32 06.03 [307.13 299.55 179] B
506	BD +41 4773 Planetary Nebula	HD 220733	23 25 54.001 +42 32 06.03 [307.13 299.55 179] B
507	Kappa Piscium 8	HD 220825	23 26 55.9553 +01 15 20.189 [7.40 5.11 96] A
509	Z Andromedae	HD 221650	23 33 39.9505 +48 49 05.947 [20.03 18.91 87]
510	Z Andromedae	HD 221650	23 33 39.9505 +48 49 05.947 [20.03 18.91 87]
511	19 Piscium	HD 223075	23 46 23.5165 +03 29 12.519 [8.85 5.79 86] A
512	DM +5 5223	HD 223392	23 49 05.4866 +06 22 56.637 [13.31 5.37 72] A
513	Rho Cassiopeiae	HD 224014	23 54 23.0324 +57 29 57.776 [5.07 3.70 134] A
514	V Cephei	HD 224309	23 56 27.8001 +83 11 28.019 [4.66 4.12 130] A
515	R Cassiopeia	HD 224490	23 58 24.8725 +51 23 19.703 [8.27 7.39 89] A
516	WY Andromedae	SAO 53278	23 41 29.6885 +47 35 43.824 [10.22 8.28 161] A