Double	SAO #	RA (hr)	RA (min)	Dec Deg	Dec Amin	Mag	Const	Sep
HD 225020	2	0	2.8	80	16.9	7.7,9.9	Cep	Sep AB:16
HD 5679 U Cep	168	1	2.3	81	52.5	6.9,11.2,12.9	Cep	Sep AB:14, Sep AC:21
HD 7471	218	1	19.1	80	51.7	7.2,8	Cep	Sep AB:130
HD 8890 Alpha UMi; 1 UMi; Polaris	308	2	31.6	89	15.9	2,9,13,12	UMi	Sep AB:18, Sep AC:45, Sep AD:83
HD 105943 OS 117	1991	12	11.0	81	42.6	6,8.3	Cam	Sep AB:67
HD 106798	2009	12	16.2	80	7.5	7.2,7.8	Cam	Sep AB:14
HD 112028	2102	12	49.2	83	24.8	5.4,5.9	Cam	Sep AB:22
HD 112651	2112	12	54.2	82	31.1	7.1,10.5	Cam	Sep AB:10
HD 131616	2433	14	33.3	85	56.3	7.1,10.1	UMi	Sep AB:3
HD 139777 Pi 1 Umi	2556	15	29.3	80	26.8	6.6,7.3,11	UMi	Sep AB:31, Sep AC:154
HD 153751 Epsilon UMi	2770	16	46.0	82	2.2	4.2,11.2	UMi	Sep AB:77
HD 166926 24 Umi	2940	17	30.7	86	58.1	8.5,9	UMi	Sep AB:31
HD 184146	3209	19	15.1	83	27.8	6.5,10.6	Dra	Sep AB:6
HD 196787	3408	20	28.2	81	25.4	5.6,11.1,6.9	Dra	Sep AB:110, Sep AC:198
HD 196925	3413	20	29.4	81	5.3	6.1,9.3	Dra	Sep AB:214
HD 209942	3673	21	58.3	82	52.2	6.9,7.5	Cep	Sep AB:14
HD 919	4062	0	14.0	76	1.6	7.2,7.7	Cep	Sep AB:76
HD 3366	4165	0	37.8	72	53.7	7,12.7	Cas	Sep AB:32
HD 3553	4176	0	40.0	76	52.3	6.7,8.6	Cas	Sep AB:116
HD 4161 H N 122; YZ Cas	4216	0	45.6	74	59.3	5.7,9.4	Cas	Sep AB:36
HD 7406	4360	1	16.6	74	1.6	7.1,7.9	Cas	Sep AB:61
HD 9774 40 Cas	4453	1	38.5	73	2.4	5.3,11.3	Cas	Sep AB:53
HD 11316	4512	1	55.4	76	13.5	7.4,8.4	Cas	Sep AB:3
HD 12013	4550	2	2.1	75	30.1	6.3,8.2,8.8	Cas	Sep AB:1.3, Sep AC:117
HD 12111 48 Cas	4554	2	2.0	70	54.4	4.6,12.6	Cas	Sep AB:51
HD 12173	4559	2	3.2	73	51.0	6.1,8.6	Cas	Sep AB:5
HD 12230 47 Cas	4562	2	5.1	77	16.9	5.4,11.4	Cas	Sep AB:96
HD 12927	4594	2	12.8	79	41.5	6.5,7.2	Cep	Sep AB:56
HD 18438	4810	3	6.1	79	25.1	5.5,9	Cep	Sep AB:5
HD 18787	4824	3	7.6	75	48.3	7.1,10.5,9.5,9.7	Cas	Sep AB:59, Sep AC:60, Sep AD:64
HD 19475	4846	3	12.6	71	33.3	7.6,8.4	Cas	Sep AB:1.3
HD 19615	4858	3	15.1	73	52.1	6.6,12.4	Cas	Sep AB:47
HD 22912	4984	3	46.2	71	37.1	7,11.1	Cam	Sep AB:12
HD 23401 Gamma Cam; Seginus	5006	3	50.4	71	20.0	4.7,13.2,8.6	Cam	Sep AB:56, Sep AC:106
HD 28760	5263	4	38.1	71	28.2	7.7,10.5	Cam	Sep AB:26
HD 32230	5442	5	10.0	75	41.0	7.3,9	Cam	Sep AB:47
HD 38399	5682	5	55.1	76	52.2	8.1,11.5	Cam	Sep AB:27
HD 44472	5861	6	28.2	70	32.1	6,9.8	Cam	Sep AB:6
HD 45875	5913	6	38.7	75	42.5	7.8,11.1	Cam	Sep AB:65
HD 51067	6050	7	4.1	75	13.9	7.2,8.2	Cam	Sep AB:13
HD 52762	6092	7	9.1	71	57.6	7,11.4	Cam	Sep AB:64
HD 57044	6187	7	26.6	73	4.9	7.4,9.2,7.8	Cam	Sep AB:1.1, Sep AC:31
HD 65754	6415	8	6.0	71	47.4	7.4,10.5	Cam	Sep AB:35
HD 68951	6504	8	20.7	72	24.5	6,9.6,9.3	UMa	Sep AB:42, Sep AC:56
HD 69054	6511	8	22.1	74	49.2	6.4,9.8	Cam	Sep AB:11

Double	SAO #	RA (hr)	RA (min)	Dec Deg	Dec Amin	Mag	Const	Sep
HD 82685	6915	9	37.9	73	4.8	6.4,7.2	Dra	Sep AB:5
HD 83003	6931	9	42.3	78	49.7	8.2,12.3	Dra	Sep AB:23
HD 88849	7099	10	17.8	71	3.7	6.7,7.4	UMa	Sep AB:17
HD 91114	7161	10	34.2	73	50.1	7.6,10.9	Dra	Sep AB:24
HD 94847	7248	10	58.7	69	48.7	7.2,11.4	Dra	Sep AB:14
HD 104435	7485	12	1.6	70	51.0	7.5,10.5	Dra	Sep AB:5
HD 109213	7584	12	32.0	74	48.7	7.5,9.1	Dra	Sep AB:4
HD 119702	7867	13	40.7	76	50.6	6.7,10.2,9.1	UMi	Sep AB:26, Sep AC:46
HD 127700 5 UMi	8024	14	27.5	75	41.7	4.4,13.4,9.9	UMi	Sep AB:22, Sep AC:60
HD 131873 7 UMi; Kochab; Arabic name for the constellat	8102	14	50.7	74	9.3	2.2,11.4	UMi	Sep AB:209
HD 132698	8111	14	53.1	78	10.6	6.5,10,9.1	UMi	Sep AB:1, Sep AC:113
HD 133086 8 Umi	8127	14	56.8	74	54.1	7.3,8.8	UMi	Sep AB:172
HD 136727 H V 86	8208	15	17.3	71	12.7	7.3,11,10.6	UMi	Sep AB:56, Sep AC:90
HD 145309	8415	16	4.8	70	15.7	6.9,8.9	UMi	Sep AB:47
HD 152303 Kustner 1	8612	16	43.1	77	30.7	6,9.4,9.8	UMi	Sep AB:3, Sep AC:115
HD 162003 Psi 1 Dra; 31 Dra; Dziban	8890	17	41.9	72	9.2	4.58,5.79,11.4,12.9	Dra	Sep AB:30.3, Sep AC:90, Sep AD:101
HD 166865 40, 41 Dra	8994	18	0.0	79	59.9	5.7,6.1	Dra	Sep AB:20
HD 166655	8999	18	2.8	75	47.4	7,9.6,9.4	Dra	Sep AB:6, Sep AC:23
HD 176795	9286	18	53.5	75	47.2	6.3,6.6	Dra	Sep AB:6
HD 179729	9323	19	7.1	72	4.4	7,7.9	Dra	Sep AB:.7
HD 184292	9428	19	27.0	73	21.9	7.7,8.4,9.3	Dra	Sep AB:2, Sep AC:78
HD 185497	9452	19	29.5	78	15.9	7.7,8.3	Dra	Sep AB:11
HD 192907 Kappa Cep; 1 Cep	9665	20	8.9	77	42.7	4.4,8.4,8.4	Cep	Sep AB:7, Sep AC:170
HD 202765	9990	21	12.1	76	18.6	7.1,10.5	Cep	Sep AB:11
HD 203516	10010	21	15.6	78	35.9	7.4,9.6	Cep	Sep AB:26
HD 205021 Beta Cep; 8 Cep; Alfirk	10057	21	28.7	70	33.6	3.2,7.9	Cep	Sep AB:13
HD 211300	10284	22	12.9	73	18.4	6.1,8.5	Cep	Sep AB:29
HD 214019	10418	22	33.3	70	22.4	6.4,8.7,11.3	Cep	Sep AB:9, Sep AC:97
HD 214511 AB x D = OSS 236	10429	22	36.1	72	52.8	7.6,12.8,8.4	Cep	Sep AB:33, Sep AC:42
HD 216886	10541	22	54.2	76	20.3	7.4,8.6	Cep	Sep AB:2
HD 217085 South 820	10560	22	56.2	72	50.2	7.4,10.4,8.6,8	Cep	Sep AB:32, Sep AC:121, Sep AD:121
HD 218658 Pi Cep; 33 Cep; OS 489	10629	23	7.9	75	23.3	4.4,,12.2	Cep	
HD 220086	10696	23	19.7	73	55.5	7.6,11.4	Cep	Sep AB:16
HD 220841	10732	23	26.2	70	41.1	6.7,12.1,12.3	Cep	Sep AB:20, Sep AC:47
HD 221071	10742	23	27.7	74	7.2	7.2,8.6	Cep	Sep AB:1.6
HD 223778	10879	23	52.3	75	32.6	6.5,11.4	Cep	Sep AB:5
HD 224098	10893	23	54.8	74	24.6	6.6,12.6	Cep	Sep AB:45
HD 225009	10937	0	2.6	66	5.9	5.9,7.2	Cas	Sep AB:15
HD 225180 9 Cas	10954	0	4.2	62	17.3	6,10	Cas	Sep AB:247
HD 1026	11062	0	14.8	62	50.4	8,8.5	Cas	Sep AB:18
HD 1239	11084	0	16.9	61	32.0	5.8,11.8	Cas	Sep AB:19
HD 1658 OS 6	11128	0	21.4	67	0.3	7.2,8.3	Cep	Sep AB:13
HD 3067	11269	0	34.6	62	54.3	7.7,10.1	Cas	Sep AB:42
HD 4523	11400	0	48.2	65	7.2	6.9,10.5	Cas	Sep AB:5
HD 4947	11440	0	52.7	68	52.0	8,8	Cas	Sep AB:3

Double	SAO #	RA (hr)	RA (min)	Dec Deg	Dec Amin	Mag	Const	Sep
HD 5015	11444	0	53.1	61	7.3	4.8,9.3	Cas	Sep AB:130
HD 5394 Gamma Cas; 27 Cas; Cih; Navi; Tsih	11482	0	56.7	60	43.0	2.2,11.2,13.2	Cas	Sep AB:2, Sep AC:52
HD 6129 Milburn 246	11549	1	3.6	63	41.3	8.1,11	Cas	Sep AB:32
HD 6448	11575	1	6.5	62	40.3	7.6,10.9	Cas	Sep AB:7
HD 8003 35 Cas; OSS 15	11712	1	21.1	64	39.5	6.3,8.7	Cas	Sep AB:56
HD 8491 Psi Cas; 36 Cas; H V 83; Bur 1101; Sh 18	11751	1	25.9	68	7.8	4.7,9.6,12.9	Cas	Sep AB:25, Sep AC:3
HD 9311	11822	1	33.2	60	41.2	7.2,11.6,11.9	Cas	Sep AB:14, Sep AC:28
HD 9546	11846	1	35.4	63	4.9	6.7,11.3	Cas	Sep AB:58
HD 10425 44 Cas	11941	1	43.3	60	33.1	5.8,12.1,9.6	Cas	Sep AB:1, Sep AC:66
HD 11092	12006	1	51.3	64	51.3	6.5,9.1,10.4	Cas	Sep AB:35, Sep AC:115
HD 11669	12046	1	56.4	61	16.9	7.4,8.2	Cas	Sep AB:4
HD 13449	12177	2	14.3	66	43.7	9.4,10.6	Her	Sep AB:57
HD 15089 Iota Cas; 30 Cas	12298	2	29.1	67	24.1	4.5,6.9,8.6	Cas	Sep AB:2.5, Sep AC:7.4
HD 16218	12369	2	39.0	62	35.5	6.7,,7.6	Cas	
HD 17505	12470	2	51.1	60	25.0	7.1,9.2,11.5	Cas	Sep AB:2, Sep AC:27
HD 19440	12635	3	10.8	63	47.3	7.4,8.6	Cas	Sep AB:6
HD 20588 OS 33	12721	3	22.1	62	44.5	7.6,10.4,7.8	Cam	Sep AB:20, Sep AC:118
HD 21476	12792	3	32.0	67	35.2	7.7,9.4	Cam	Sep AB:24
HD 21971	12830	3	36.0	63	17.3	7.3,10.4	Cam	Sep AB:12
HD 22399	12854	3	40.0	63	52.3	6.8,8.2	Cam	Sep AB:46
HD 24480	12968	3	57.1	61	6.5	5,8.5	Cam	Sep AB:1.9
HD 25638 SZ Cam	13031	4	7.8	62	19.8	7,10.5,10,12.9	Cam	Sep AB:5, Sep AC:23, Sep AD:12
HD 26801	13088	4	18.2	61	54.8	7.7,11.2,9.5	Cam	Sep AB:11, Sep AC:38
HD 30164	13278	4	50.1	66	32.2	7.5,10.5	Cam	Sep AB:11
HD 31264	13331	5	0.1	69	57.5	7.8,9.8	Cam	Sep AB:38
HD 31910 Beta Cam; 10 Cam; Espin 58 (b); OSS 57	13351	5	3.4	60	26.6	4,8.6	Cam	Sep AB:80
HD 32893	13394	5	10.7	63	35.9	6.6,10.3	Cam	Sep AB:12
HD 33164	13412	5	14.3	69	49.5	6.2,8.6	Cam	Sep AB:5
HD 38284	13618	5	49.1	62	48.5	6.2,7.6	Cam	Sep AB:1
HD 38475	13627	5	51.0	65	45.2	6.6,8.1,10	Cam	Sep AB:4, Sep AC:13
HD 40034	13675	6	1.2	65	31.6	6.6,11.4	Cam	Sep AB:25
HD 42417	13768	6	15.6	66	8.9	7.1,,9.1	Cam	
HD 42633	13772	6	15.7	59	60.0	5.6,10.7	Cam	Sep AB:103
HD 42704	13777	6	17.2	65	43.2	7.3,11	Cam	Sep AB:31
HD 46480	13897	6	37.7	61	29.1	6.1,9.1	Lyn	Sep AB:157
HD 46463	13901	6	38.3	64	44.1	7.5,11,10.8	Cam	Sep AB:11, Sep AC:26
HD 58917	14221	7	31.6	62	30.1	6.9,9.2	Cam	Sep AB:10
HD 61907 H V 135	14311	7	45.9	65	9.3	7.8,7.7	Cam	Sep AB:15
HD 62195	14326	7	47.0	64	3.1	6.8,8.8,9.9,9.9	Cam	Sep AB:5, Sep AC:11, Sep AD:17
HD 65448	14407	8	2.5	63	5.4	6.1,7.5	Cam	Sep AB:49
HD 65871	14426	8	5.8	68	23.1	8.2,10.1	Cam	Sep AB:30
HD 68457	14479	8	15.8	60	22.8	6.4,10.2,9.9,12	UMa	Sep AB:3, Sep AC:49, Sep AD:100
HD 78154 Sigma 2 UMa; 13 Uma	14788	9	10.4	67	8.1	4.8,8.2,9.3	UMa	Sep AB:3.5, Sep AC:205
HD 78362 14 UMa; H V 73	14796	9	10.9	63	30.9	4.7,10.3	UMa	Sep AB:57
HD 78767	14808	9	12.7	61	40.5	7.4,7.8	UMa	Sep AB:25

Double	SAO #	RA (hr)	RA (min)	Dec Deg	Dec Amin	Mag	Const	Sep
HD 80142	14851	9	20.8	61	21.0	7.9,8.4,11.1,9.7	UMa	Sep AB:1, Sep AC:13, Sep AD:140
HD 81787	14903	9	31.1	67	32.5	7.5,9.2	UMa	Sep AB:19
HD 81937 23 Uma	14908	9	31.5	63	3.7	3.7,8.9,10.4	UMa	Sep AB:23, Sep AC:100
HD 82285	14923	9	34.3	66	47.7	8.3,8.2,8.2	UMa	Sep AB:10, Sep AC:130
HD 82569	14931	9	35.2	60	53.6	7.3,10.9	UMa	Sep AB:11
HD 85360	15013	9	53.9	64	47.4	7.4,11.2	UMa	Sep AB:14
HD 90714	15199	10	30.3	63	20.9	7.3,12	UMa	Sep AB:47
HD 91543	15234	10	35.9	63	35.6	8.1,10.8	UMa	Sep AB:18
HD 93270	15292	10	47.7	65	27.6	7.7,10.7	UMa	Sep AB:11
HD 95689 Alpha UMa; 50 UMa; Dubhe, "the bear"	15384	11	3.7	61	45.1	2,4.8	UMa	Sep AB:.7
HD 98196	15470	11	18.8	66	41.1	7.1,10.2,12.2	UMa	Sep AB:5, Sep AC:42
HD 100203	15542	11	32.3	61	5.0	5.5,7.1	UMa	Sep AB:.8
HD 101150	15580	11	38.8	64	20.8	6.5,7.8	UMa	Sep AB:2
HD 102030	15622	11	44.8	60	2.8	7.7,12.9	UMa	Sep AB:45
HD 102616	15640	11	49.2	67	19.7	7.5,8.3	Dra	Sep AB:11
HD 105122	15713	12	6.0	68	42.0	7.1,7.9	Dra	Sep AB:26
HD 114504	15999	13	9.8	62	13.8	6.5,9.8	UMa	Sep AB:108
HD 115136	16018	13	13.5	67	17.3	6.5,7,9.5	Dra	Sep AB:179, Sep AC:115
HD 117200	16078	13	27.1	64	44.1	6.6,7	Dra	Sep AB:69
HD 117376 BC = STF 1752	16080	13	28.4	59	56.7	5.4,7.9	UMa	Sep AB:181
HD 121146 AB = Luyten 2329	16197	13	51.0	68	19.0	6.4,8.3	Dra	Sep AB:74
HD 126028	16342	14	19.9	67	46.9	7,10	UMi	Sep AB:27
HD 126228	16352	14	21.1	67	48.2	,11	UMi	Sep AB:36
HD 129798 DL Dra	16466	14	42.0	61	15.7	6.2,8.5	Dra	Sep AB:4
HD 130173	16478	14	44.0	61	5.9	6.9,9.4,10.4	Dra	Sep AB:12, Sep AC:9
HD 132188	16544	14	53.6	69	45.8	7.4,11.2	UMi	Sep AB:25
HD 134646	16606	15	7.8	63	7.0	6.8,10.8	Dra	Sep AB:18
HD 135421 BV Dra	16636	15	11.8	61	51.3	8,8.8	Dra	Sep AB:16
HD 136882	16694	15	20.1	60	22.8	7.6,7.6,9.3	Dra	Sep AB:151, Sep AC:82
HD 141060	16827	15	42.7	67	4.0	7.8,13.3	Dra	Sep AB:19
HD 144903	16945	16	4.8	60	2.7	7.6,9.8	Dra	Sep AB:105
HD 148374	17073	16	23.8	61	41.8	5.7,7.2	Dra	Sep AB:1
HD 148387 Eta Dra; 14 Dra; Aldhibain	17074	16	24.0	61	30.8	2.7,8.7,7.8	Dra	Sep AB:5, Sep AC:565
HD 156890	17410	17	16.1	60	42.8	6.9,10.1	Dra	Sep AB:10
HD 157462	17427	17	18.9	63	43.4	7.3,11.5	Dra	Sep AB:7
HD 159966	17526	17	32.0	68	8.0	5.2,11.4	Dra	Sep AB:103
HD 160269 26 Dra; AB x C = Luyten 2736	17546	17	35.0	61	52.9	5.3,8,11.7	Dra	Sep AB:2, Sep AC:1.7
HD 161285	17599	17	40.3	63	40.4	6.8,8.3	Dra	Sep AB:1.7
HD 164330	17695	17	56.3	62	36.5	7.2,7.6	Dra	Sep AB:57
HD 164984	17717	17	59.2	64	8.5	7.3,7.7,12.7	Dra	Sep AB:21, Sep AC:24
HD 165522	17729	18	1.4	65	56.9	7.7,9.4	Dra	Sep AB:4
HD 171653	17912	18	31.2	65	26.1	6.6,10.4	Dra	Sep AB:27
HD 172825	17961	18	38.4	60	42.6	6.7,9.9,9.9	Dra	Sep AB:37, Sep AC:55
HD 172923	17963	18	38.4	63	32.0	6.9,9.8	Dra	Sep AB:17
HD 176668	18082	18	57.3	62	23.8	6.5,9,10.5	Dra	Sep AB:17, Sep AC:160

Double	SAO #	RA (hr)	RA (min)	Dec Deg	Dec Amin	Mag	Const	Sep
HD 180711 57 Dra; Altais, "the goat", Nodus Secondus	18222	19	12.5	67	39.6	3.2,12.4	Dra	Sep AB:88
HD 181566	18257	19	16.9	63	12.5	6.9,8.3	Dra	Sep AB:1.7
HD 184936	18395	19	33.2	60	9.5	6.3,8.1	Dra	Sep AB:19
HD 186340	18461	19	40.2	60	30.4	6.5,9.1	Dra	Sep AB:18
HD 188772	18575	19	52.8	64	10.6	6.8,9.1	Dra	Sep AB:28
HD 190713 65 Dra	18669	20	2.3	64	38.1	6.6,8.7	Dra	Sep AB:98
HD 191174	18692	20	4.7	63	53.4	6.2,10.2,11	Dra	Sep AB:5, Sep AC:153
HD 191700	18722	20	7.0	66	18.5	7,10.8	Dra	Sep AB:22
HD 196988	18958	20	37.8	60	45.4	7.1,10.4,9.7	Cyg	Sep AB:2, Sep AC:43
HD 202582	19257	21	13.7	64	24.3	6.4,7.2	Cep	Sep AB:.7
HD 203280 Alderamin, "the right arm"	19302	21	18.6	62	35.1	2.6,10.2	Cep	Sep AB:201
HD 203374 Doolittle (C)	19309	21	19.1	61	51.5	6.7,10.3,12.8	Cep	Sep AB:45, Sep AC:2.7
HD 205741	19510	21	34.4	66	43.6	7,7,11	Cep	Sep AB:182, Sep AC:125
HD 207198	19621	21	44.9	62	27.6	5.9,9.5	Cep	Sep AB:17
HD 207826	19665	21	49.1	66	47.6	6.5,9.6	Cep	Sep AB:12
HD 207990	19677	21	51.0	61	37.0	7.7,8.5	Cep	Sep AB:4
HD 208132	19686	21	51.6	65	45.2	6.4,7.3,11	Cep	Sep AB:1.6, Sep AC:56
HD 208141	19687	21	51.8	64	54.0	6.8,10.1	Cep	Sep AB:12
HD 208185	19694	21	52.3	63	6.1	7.4,8.5	Cep	Sep AB:2
HD 208411	19712	21	53.1	68	6.4	7.4,8.9	Cep	Sep AB:76
HD 208392 EM Cep; Espin 144	19718	21	53.8	62	36.9	7,8	Cep	Sep AB:63
HD 209790 Xi Cep; 17 Cep; Kurhah	19827	22	3.8	64	37.6	4.3,6.5	Cep	Sep AB:8
HD 209975 19 Cep	19849	22	5.1	62	16.8	5.1,11.1,10.1	Cep	Sep AB:20, Sep AC:60
HD 210884	19922	22	10.6	70	7.9	5.5,7.7	Cep	Sep AB:15
HD 212278	20023	22	20.9	66	57.9	7.3,9.9	Cep	Sep AB:4
HD 212391	20034	22	21.7	66	42.4	6.6,6.7	Cep	Sep AB:4
HD 213973	20150	22	33.0	69	54.8	6,10.5,10.2	Cep	Sep AB:114, Sep AC:178
HD 216172	20259	22	49.0	68	34.2	7.2,7.2,10.2	Cep	Sep AB:4, Sep AC:111
HD 216227	20267	22	49.6	66	33.2	7,8.9	Cep	Sep AB:3
HD 216380	20281	22	51.4	61	41.8	5.6,7.4,10.7	Cep	Sep AB:2, Sep AC:39
HD 216606	20295	22	52.7	67	59.4	7,7.5	Cep	Sep AB:69
HD 217943	20393	23	3.4	60	26.7	6.7,9.4	Cep	Sep AB:34
HD 218439	20432	23	7.2	60	50.0	8.1,8.6,10.7	Cep	Sep AB:.6, Sep AC:34
HD 219916 Omicron Cep; 34 Cep	20554	23	18.6	68	6.7	4.8,7.1,12.8	Cep	Sep AB:3, Sep AC:46
HD 220130	20572	23	20.6	62	12.8	6.4,11.6,11.3,11.3	Cas	Sep AB:13, Sep AC:59, Sep AD:74
HD 220652 H IV 24	20614	23	24.8	62	17.0	5.3,7.8,8.7	Cas	Sep AB:99, Sep AC:215
HD 221670	20701	23	33.6	60	28.1	7.4,7.2	Cas	Sep AB:241
HD 222275	20745	23	38.8	62	8.1	6.6,10.9	Cas	Sep AB:16
HD 222407	20756	23	39.9	63	43.5	6.9,10.6	Cas	Sep AB:4
HD 223070	20832	23	46.1	60	28.4	7,8.6,9,9.2	Cas	Sep AB:3, Sep AC:29, Sep AD:53
HD 223358	20866	23	48.6	64	52.6	6.4,8.6	Cas	Sep AB:50
HD 223385 6 Cas; V566 Cas	20869	23	48.8	62	12.9	5.5,8,10.5	Cas	Sep AB:1.5, Sep AC:62
HD 223866 Bu 1153	20915	23	53.1	60	42.3	6.7,10.5,11.1	Cas	Sep AB:11, Sep AC:69
HD 224364 Argelander 99	20954	23	57.3	61	1.6	6.6,9.7	Cas	Sep AB:364
HD 224855 WZ Cas	21002	0	1.2	60	21.3	7,8.3	Cas	

Double	SAO #	RA (hr)	RA (min)	Dec Deg	Dec Amin	Mag	Const	Sep
HD 225257	21062	0	4.9	58	31.9	6.6,8.7	Cas	Sep AB:4
HD 123 V640 Cas	21085	0	6.2	58	26.2	6,7.2	Cas	Sep AB:1.3
HD 709	21191	0	11.6	55	57.7	7.5,9.4	Cas	Sep AB:1.3
HD 2170	21395	0	26.2	56	46.8	6.7,12,9.8	Cas	Sep AB:1.9, Sep AC:22
HD 2626	21457	0	30.3	59	58.7	5.9,11.7	Cas	Sep AB:121
HD 2851	21498	0	32.4	58	20.3	7,11.3,11.2,11.7	Cas	Sep AB:3, Sep AC:22, Sep AD:32
HD 4222	21677	0	45.3	55	13.3	5.5,11.5,10.4	Cas	Sep AB:2, Sep AC:88
HD 4536	21716	0	48.0	51	26.7	6.9,8.1	Cas	Sep AB:2
HD 4614 Eta Cas	21732	0	49.0	57	49.4	3.5,7.5	Cas	Sep AB:12
HD 5128	21814	0	53.8	52	41.4	6.3,9.3,9.8	Cas	Sep AB:8, Sep AC:78
HD 5234 Upsilon 1 Cas; 26 Cas	21832	0	55.0	58	58.4	4.8,11.8	Cas	Sep AB:94
HD 5492	21871	0	57.3	52	14.4	7.1,10.1	Cas	Sep AB:62
HD 6540	22021	1	7.2	53	29.9	6.5,10.4,10.9	Cas	Sep AB:21, Sep AC:197
HD 6582 30 Cas; Marfak	22024	1	7.9	54	56.6	5.2,12.3,11.1,11.1	Cas	Sep AB:88, Sep AC:91, Sep AD:206
HD 7587	22146	1	17.0	56	30.3	8.1,10.5	Cas	Sep AB:5
HD 7927 34 Cas; H III 23	22191	1	20.1	58	13.9	5,12.2,7.6	Cas	Sep AB:48, Sep AC:134
HD 8272	22230	1	23.3	58	8.7	6.4,12.8	Cas	
HD 8538 37 Cas; Ruchbah, "the knee"	22268	1	25.8	60	14.2	2.7,11.1	Cas	Sep AB:132
HD 9812	22441	1	37.4	58	38.2	7.3,9	Cas	Sep AB:25
HD 10293	22520	1	42.3	58	37.7	6.4,9.8	Cas	Sep AB:19
HD 10495	22555	1	43.8	55	52.7	6.9,10.7	Cas	Sep AB:12
HD 10543 Bur 870	22566	1	44.3	57	32.2	6.4,7.8	Cas	Sep AB:1
HD 13149	22997	2	10.4	56	17.9	7.4,10.9	Per	Sep AB:15
HD 13403	23033	2	12.9	57	12.5	7,8.7,10.9	Per	Sep AB:68, Sep AC:102
HD 13633	23071	2	14.9	58	29.4	7.9,9.4	Per	Sep AB:24
HD 13854	23115	2	16.9	57	3.3	6.5,7.2	Per	Sep AB:103
HD 13994 7 Per; Bur 1170	23149	2	18.1	57	31.0	6.3,8.9	Per	Sep AB:122
HD 14134	23178	2	19.1	57	8.1	6.6,11.7	Per	Sep AB:28
HD 14172	23194	2	19.7	60	1.8	6.9,7.2,11.3	Cas	Sep AB:63, Sep AC:72
HD 14489 9 Per	23256	2	22.3	55	50.7	5.2,12	Per	Sep AB:12
HD 14872	23319	2	25.6	50	16.7	4.9,12.9	And	Sep AB:50
HD 15253	23369	2	29.4	55	32.2	6.5,8.1	Per	Sep AB:3
HD 15407	23389	2	30.8	55	33.0	7,9.6,10.6,12.5	Per	Sep AB:21, Sep AC:38, Sep AD:42
HD 15497	23403	2	31.9	57	41.9	7.1,12.8,11.4	Per	Sep AB:13, Sep AC:25
HD 15641	23419	2	33.1	58	27.7	7.6,8.3	Per	Sep AB:1.7
HD 15703	23425	2	33.3	52	18.5	6.7,9.8	Per	Sep AB:125
HD 16038	23467	2	36.9	59	53.0	7.5,10.9,10	Cas	Sep AB:3, Sep AC:162
HD 17198	23611	2	47.6	53	56.6	7.3,8.8	Per	Sep AB:8
HD 17506 Eta Per; 15 Per; Miram; Sh 34	23655	2	50.7	55	53.7	3.8,8.4,9.8	Per	Sep AB:28, Sep AC:66
HD 17743 A2906	23674	2	52.9	52	59.9	6.4,,7.1	Per	
HD 17878 18 Per	23685	2	54.2	52	45.8	3.9,10.6	Per	Sep AB:52
HD 18473	23761	3	0.9	59	40.0	7.4,8.1	Cas	Sep AB:74
HD 18537	23763	3	0.9	52	21.1	5.2,6.6	Per	Sep AB:13
HD 18925 Gamma Per; 23 Per	23789	3	4.8	53	30.4	2.9,,10.6	Per	
HD 21291	24054	3	29.1	59	56.4	4.2,8.5	Cam	Sep AB:2

Double	SAO #	RA (hr)	RA (min)	Dec Deg	Dec Amin	Mag	Const	Sep
HD 21427	24062	3	30.2	59	22.0	6.1,7.5	Cam	Sep AB:3
HD 21447	24064	3	30.0	55	27.1	5.1,9.5,10.3	Cam	Sep AB:15, Sep AC:110
HD 21488	24068	3	30.3	52	53.7	7.3,10.3	Cam	Sep AB:26
HD 21769	24093	3	33.5	58	45.9	6.5,7.9	Cam	Sep AB:20
HD 21903	24111	3	35.0	60	2.5	6.4,7.6,10.3	Cam	Sep AB:.8, Sep AC:92
HD 22764 Webb	24169	3	42.7	59	58.2	5.7,8.7	Cam	Sep AB:55
HD 23552	24231	3	48.3	50	44.2	6.2,11.3	Per	Sep AB:7
HD 23594	24244	3	49.3	57	7.1	6.5,7.2	Cam	Sep AB:58
HD 23675 Espin 12	24248	3	49.4	52	39.3	6.7,9.1,12,10.3	Per	Sep AB:8, Sep AC:12, Sep AD:64
HD 24546 43 Per	24314	3	56.6	50	41.8	5.5,10.3,11.4	Per	Sep AB:75, Sep AC:101
HD 24775	24326	3	58.9	51	29.9	7.7,10.9	Per	Sep AB:12
HD 25362	24391	4	4.6	55	4.0	6.6,10.4	Cam	Sep AB:136
HD 25602	24411	4	6.6	54	0.6	8.3,12	Cam	Sep AB:26
HD 27292 OSS 47; Espin 2604	24556	4	21.0	50	15.3	7.1,8.1,10.8	Per	Sep AB:73, Sep AC:150
HD 27402	24577	4	22.9	59	37.0	6.2,11,9	Cam	Sep AB:1.3, Sep AC:32
HD 27856	24614	4	26.8	55	38.6	7.3,8.8	Cam	Sep AB:1
HD 28446 1 Cam	24672	4	32.0	53	54.7	5.7,6.8,11.1	Cam	Sep AB:10, Sep AC:150
HD 28604	24682	4	33.3	52	48.3	7.2,9.4	Per	Sep AB:48
HD 30121	24829	4	48.0	56	45.6	5.4,12	Cam	Sep AB:99
HD 30167 Bb = STF 586 rej.	24835	4	48.0	53	7.3	7.6,9.4	Cam	Sep AB:21
HD 31278 7 Cam; AC=S610	24929	4	57.3	53	45.1	4.5,7.8,11.3	Cam	Sep AB:.9, Sep AC:26
HD 32343 11 Cam; B = 12 Cam; BV Cam	25001	5	6.1	58	58.4	5.3,6.4,10.8	Cam	Sep AB:180, Sep AC:173
HD 32445	25007	5	6.4	54	24.3	7.2,11,12	Cam	Sep AB:7, Sep AC:26
HD 32537 9 Aur; H VI 35	25019	5	6.7	51	36.0	5,9.4,12.2	Aur	Sep AB:90, Sep AC:5
HD 34019 Espin	25112	5	17.3	53	35.2	10,9.5	Aur	Sep AB:48
HD 38618 H VI 125	25403	5	50.6	56	55.1	6.5,9.5	Cam	Sep AB:25
HD 40035 33 Aur	25502	5	59.5	54	17.2	3.7,10.6,9.7	Aur	Sep AB:123, Sep AC:195
HD 40873 35 Aur	25548	6	4.5	51	34.4	6.5,9.2	Aur	Sep AB:39
HD 43812 4 Lyn	25678	6	22.0	59	22.3	6.2,7.7,12.9,11	Lyn	Sep AB:.7, Sep AC:26, Sep AD:100
HD 44271	25709	6	24.7	59	40.2	7.5,10.2,7.6	Lyn	Sep AB:44, Sep AC:34
HD 44708 5 Lyn	25733	6	26.8	58	25.0	5.3,9.8,7.9	Lyn	Sep AB:31, Sep AC:96
HD 45410	25771	6	30.8	58	10.0	6.1,9	Lyn	Sep AB:170
HD 46048	25811	6	33.9	52	27.8	7.2,8.2,10	Aur	Sep AB:5, Sep AC:137
HD 48250 12 Lyn	25939	6	46.2	59	26.5	5.4,6,7.3,10.6	Lyn	Sep AB:1.7, Sep AC:9, Sep AD:170
HD 48767	25963	6	48.2	55	42.4	5.5,6.7	Lyn	Sep AB:5
HD 49618 14 Lyn	26012	6	53.1	59	27.0	5.7,,11.1	Lyn	
HD 49902	26023	6	53.4	51	31.1	7,11.3,10.7	Lyn	Sep AB:17, Sep AC:56
HD 50522 15 Lyn	26051	6	57.3	58	25.5	4.8,5.9	Lyn	Sep AB:1
HD 52145	26119	7	3.1	54	10.4	7.4,9.3	Lyn	Sep AB:9
HD 52859	26145	7	5.7	52	45.5	6.2,6.9,11	Lyn	Sep AB:4, Sep AC:174
HD 55199	26240	7	14.8	52	32.7	7.3,8.3	Lyn	Sep AB:1.5
HD 56385	26279	7	19.8	54	55.3	8.1,8.8,11.8	Lyn	Sep AB:20, Sep AC:198
HD 57067 20 Lyn	26305	7	22.2	50	8.9	7.3,7.4	Lyn	Sep AB:15
HD 57103 19 Lyn	26312	7	22.9	55	16.9	5.6,6.5,8.9	Lyn	Sep AB:15, Sep AC:74
HD 57667	26337	7	25.4	56	32.7	7.5,7.9	Lyn	Sep AB:114

Double	SAO #	RA (hr)	RA (min)	Dec Deg	Dec Amin	Mag	Const	Sep
HD 61497 24 Lyn	26474	7	43.0	58	42.7	5,9.5	Lyn	Sep AB:55
HD 66286	26662	8	6.0	59	14.9	6.7,10.7	Lyn	Sep AB:42
HD 72003	26899	8	33.1	55	21.3	7.7,12.6	Lyn	Sep AB:24
HD 75230 AC = h2466	27015	8	51.4	57	31.6	8,8.4,12.6	UMa	Sep AB:2, Sep AC:40
HD 75553	27027	8	53.1	54	57.2	8.1,8.1	UMa	Sep AB:.7
HD 80290 37 Uma	27215	9	20.7	51	15.8	6.1,10.2,10	UMa	Sep AB:6, Sep AC:142
HD 81104 21 Uma	27249	9	25.6	54	1.0	7.8,8.8,12	UMa	Sep AB:5, Sep AC:97
HD 86871	27490	10	2.8	49	52.7	7.5,13	UMa	Sep AB:52
HD 90204	27639	10	26.0	52	37.3	7.4,8.4	UMa	Sep AB:3
HD 90806 h2535?	27664	10	30.2	50	59.6	7.6,11	UMa	Sep AB:13
HD 90839 36 Uma	27670	10	30.6	55	58.9	5.2,11	UMa	Sep AB:120
HD 92668	27744	10	42.9	50	47.9	7.3,9.3,9.5	UMa	Sep AB:8, Sep AC:194
HD 95098	27861	10	59.8	58	54.4	7.1,8.9	UMa	Sep AB:34
HD 96527	27918	11	8.0	52	49.3	7.4,9	UMa	Sep AB:5
HD 97855	27970	11	16.0	52	46.3	6.5,7.9	UMa	Sep AB:13
HD 100054	28043	11	31.3	59	42.1	7.3,8.2	UMa	Sep AB:12
HD 105031	28241	12	5.6	51	55.9	7.1,8.4	UMa	Sep AB:8
HD 105963	28287	12	11.5	53	25.4	8,8.1	UMa	Sep AB:13
HD 106591 69 UMa; Megrez	28315	12	15.4	57	1.9	3.3,10.3,11.5	UMa	Sep AB:183, Sep AC:177
HD 107922	28364	12	23.8	54	9.5	7.7,,11.2	UMa	
HD 108845	28407	12	30.1	51	32.1	6.2,10.4,9	CVn	Sep AB:109, Sep AC:229
HD 112486	28572	12	56.3	54	6.0	5.8,7.9,10.4	UMa	Sep AB:2.4, Sep AC:124
HD 113139 78 UMa	28601	13	0.7	56	22.0	5,7.4	UMa	Sep AB:1
HD 115043	28679	13	13.6	56	42.5	6.8,8	UMa	Sep AB:118
HD 116656 Zeta UMa; 79 UMa; Mizar	28737	13	23.9	54	55.5	2.1,4	UMa	Sep AB:14
HD 117417	28774	13	29.1	56	14.0	7.7,10.8	UMa	Sep AB:2
HD 118741	28819	13	37.7	50	42.9	6.5,8.3	UMa	Sep AB:1.9
HD 119583 h2676	28860	13	43.0	50	1.6	7.7,10.4	UMa	Sep AB:30
HD 122200	28955	13	58.9	53	6.4	6.8,10	UMa	Sep AB:8
HD 124675 Kappa Boo; 17 Boo; Asellus Tertius	29046	14	13.5	51	47.4	4.5,6.6	Boo	Sep AB:14
HD 125161 Iota Boo; 21 Boo	29071	14	16.2	51	22.0	4.8,8.3,12.6	Boo	Sep AB:38, Sep AC:86
HD 125229	29074	14	16.1	56	42.7	7.1,9.8,6.7	UMa	Sep AB:6, Sep AC:108
HD 126660 23 Boo; Asellus Primus	29137	14	25.2	51	51.4	4,11.1	Boo	Sep AB:69
HD 128941	29224	14	38.0	51	34.7	7,7.7	Boo	Sep AB:.6
HD 129580	29244	14	41.0	57	57.6	7,8.4,11.2	Dra	Sep AB:7, Sep AC:76
HD 129600	29246	14	41.6	51	23.9	7.3,8	Boo	Sep AB:2
HD 131040	29296	14	49.5	51	22.5	6.5,9.8	Boo	Sep AB:16
HD 132909	29372	14	59.6	53	51.6	6.8,7.6	Boo	Sep AB:40
HD 135944	29464	15	15.8	50	56.3	6.5,8.9	Boo	Sep AB:73
HD 136883	29488	15	20.6	55	19.5	8,10.7	Dra	Sep AB:11
HD 137759 12 Dra; Ed Asich, "the male hyena"	29520	15	24.9	58	57.9	3.3,9.2	Dra	Sep AB:255
HD 140064	29607	15	38.9	57	27.7	7.3,9.6,8.1	Dra	Sep AB:91, Sep AC:235
HD 142282	29691	15	51.2	52	54.4	6.7,8.9,12.8	Dra	Sep AB:7, Sep AC:17
HD 150100 16 Dra	30012	16	36.2	52	54.0	5.4,5.5	Dra	Sep AB:90
HD 150117 17 Dra, 16 Dra (C); SI 30 (C)	30013	16	36.2	52	55.4	5.4,6.2,5.53	Dra	Sep AB:3.5, Sep AC:90

Double	SAO #	RA (hr)	RA (min)	Dec Deg	Dec Amin	Mag	Const	Sep
HD 154905 Mu Dra; 21 Dra; Arrakis, "the dancer"	30239	17	5.3	54	28.2	5.7,5.7	Dra	Sep AB:2.2
HD 156162	30299	17	13.1	54	8.3	6.9,9.2,8.8	Dra	Sep AB:3, Sep AC:89
HD 158868	30413	17	29.0	50	52.2	7,7.9	Dra	Sep AB:3
HD 159181 Beta Dra; 23 Dra; Rastaban	30429	17	30.4	52	18.1	3,12.7	Dra	Sep AB:117
HD 159541 Nu1 and Nu2 Dra; 24 and 25 Dra; Kuma	30447	17	32.2	55	11.0	4.9,4.9	Dra	Sep AB:62
HD 160780	30494	17	38.6	55	45.6	7.5,8.4	Dra	Sep AB:2.2
HD 164394	30665	17	58.1	52	13.1	7.4,9.7	Dra	Sep AB:10
HD 164874	30686	18	0.3	52	51.2	7.7,9.1,12.4	Dra	Sep AB:3, Sep AC:167
HD 165502	30715	18	2.9	56	25.6	7.1,7.4,8.5,9.7	Dra	Sep AB:37, Sep AC:6, Sep AD:201
HD 168092	30836	18	14.7	56	35.3	6.4,9.8	Dra	Sep AB:96
HD 172712	31086	18	38.8	52	20.7	6.9,7.8,10.7	Dra	Sep AB:2.3, Sep AC:37
HD 173524 H 37	31119	18	42.6	55	32.3	5.1,10.7	Dra	Sep AB:147
HD 176409	31286	18	56.9	56	44.9	7.1,10.2,11.9	Dra	Sep AB:8, Sep AC:36
HD 176560	31292	18	57.5	58	13.5	6.5,7.4	Dra	Sep AB:.8
HD 177483 Hussey 757	31337	19	2.1	52	15.7	6.4,8.6	Dra	Sep AB:5
HD 179142	31417	19	8.3	55	19.8	7.3,,9.4	Cyg	
HD 182076	31586	19	20.5	50	20.4	7.3,11.1,10.2	Cyg	Sep AB:10, Sep AC:78
HD 183361	31661	19	26.8	50	8.7	7.4,8.6,11.1	Cyg	Sep AB:73, Sep AC:35
HD 184170	31711	19	30.2	55	25.3	6.9,9.4	Cyg	Sep AB:76
HD 185395 Theta Cyg; 113 Cyg	31815	19	36.4	50	13.0	4.5,	Cyg	
HD 186408 16 Cyg	31898	19	41.8	50	31.6	6.3,6.4	Cyg	Sep AB:40
HD 188793	32093	19	53.6	59	42.5	6.1,9	Cyg	Sep AB:71
HD 189037 Psi Cyg; 24 Cyg	32114	19	55.6	52	26.4	4.9,7.4,10.2	Cyg	Sep AB:3, Sep AC:165
HD 190780	32254	20	4.1	54	28.1	7.7,11.3	Cyg	Sep AB:10
HD 192439	32354	20	12.5	51	27.8	6,11.5,13	Cyg	Sep AB:4, Sep AC:83
HD 192679	32380	20	13.7	53	7.4	7,9.2,10.4	Cyg	Sep AB:5, Sep AC:49
HD 192967	32392	20	15.2	54	8.8	7.3,11.5,11.5,10.6	Cyg	Sep AB:34, Sep AC:32, Sep AD:38
HD 193054	32404	20	15.8	52	30.1	7.4,9.9	Cyg	Sep AB:29
HD 193592	32455	20	18.4	55	23.9	5.8,7.4,12.6	Cyg	Sep AB:3, Sep AC:84
HD 194354	32516	20	22.8	53	25.1	7.9,11.2,8.8,11.4	Cyg	Sep AB:6, Sep AC:40, Sep AD:43
HD 194883	32566	20	25.5	54	41.1	7.3,11.2,10.8,12.1	Cyg	Sep AB:.7, Sep AC:47, Sep AD:49
HD 195066	32590	20	26.4	56	38.3	6.4,9	Cyg	Sep AB:26
HD 197511 51 Cyg	32809	20	42.2	50	20.4	5.4,,12.4,11.4	Cyg	
HD 197618	32812	20	42.3	57	23.1	7.3,8.1	Cep	Sep AB:1
HD 198513	32908	20	48.7	51	54.6	6.3,8.5	Cyg	Sep AB:4
HD 198679	32922	20	49.3	58	44.9	6.9,7.8	Cep	Sep AB:108
HD 198834	32933	20	51.1	51	25.0	7.3,8,12,10.9	Cyg	Sep AB:1, Sep AC:14, Sep AD:198
HD 199331	32981	20	54.0	57	10.6	7.2,11,11.5	Cep	Sep AB:6, Sep AC:71
HD 199937	33027	20	57.7	58	49.3	8.1,9	Cep	Sep AB:55
HD 199955	33034	20	58.5	50	27.7	5.6,7.2	Cyg	Sep AB:2
HD 200614	33078	21	2.1	56	40.2	5.8,7.1	Cep	Sep AB:1.5
HD 201113	33125	21	5.5	53	40.1	8.6,10.8	Cyg	Sep AB:22
HD 202214	33210	21	11.8	59	59.2	5.6,7,8.7	Cep	Sep AB:1.2, Sep AC:121
HD 202616	33260	21	15.2	51	16.9	7,11.4	Cyg	Sep AB:49
HD 203283	33315	21	19.4	52	19.5	7.3,10.1,9.8	Cyg	Sep AB:27, Sep AC:30

Double	SAO #	RA (hr)	RA (min)	Dec Deg	Dec Amin	Mag	Const	Sep
HD 203338	33318	21	19.2	58	37.4	5.5,10,10.3	Cep	Sep AB:5, Sep AC:74
HD 203320	33323	21	19.7	53	3.5	6.8,9.2	Cyg	Sep AB:49
HD 203380	33334	21	20.0	52	58.7	7.6,7.8,11.8	Cyg	Sep AB:7, Sep AC:127
HD 204401	33431	21	26.5	52	44.9	7.8,11.8,12.5	Cyg	Sep AB:16, Sep AC:51
HD 204905	33468	21	29.9	52	56.0	7.3,9.5	Cyg	Sep AB:24
HD 205795	33567	21	36.2	50	30.1	7.2,11.6	Cyg	Sep AB:16
HD 206267 Bur 1143	33626	21	39.0	57	29.3	5.7,7.7,7.8	Cep	Sep AB:12, Sep AC:20
HD 206482	33652	21	40.3	57	34.9	7.4,8.7	Cep	Sep AB:12
HD 208095	33819	21	52.0	55	47.8	5.7,6.6	Cep	Sep AB:18
HD 208744	33894	21	56.4	59	47.7	6.9,8.4,13.7	Cep	Sep AB:.8
HD 210715	34143	22	11.1	50	49.4	5.4,10.4	Lac	Sep AB:28
HD 211336 23 Cep	34227	22	15.0	57	2.6	4.2,9.2	Cep	Sep AB:128
HD 213306 Delta Cep; 27 Cep; Bur 702	34508	22	29.2	58	24.9	4.1,6.3	Cep	Sep AB:41
HD 213388 Leonard 53	34519	22	29.9	52	25.0	6.5,11.5	Lac	Sep AB:14
HD 213470	34531	22	30.3	57	13.5	6.6,10.4	Cep	Sep AB:15
HD 213495	34534	22	30.6	53	31.7	7.6,8.6,11.3	Lac	Sep AB:5, Sep AC:90
HD 213557	34541	22	31.2	50	52.3	7.7,10.4	Lac	Sep AB:1.4
HD 214665	34651	22	38.6	56	47.8	5.1,10.3	Cep	Sep AB:31
HD 215178	34718	22	42.4	54	14.9	7.5,10	Lac	Sep AB:6
HD 215714	34785	22	46.1	58	4.4	7.6,8.6	Cep	Sep AB:31
HD 217833 V638 Cas	35092	23	2.7	55	14.2	6.5,10.1,10	Cas	Sep AB:20, Sep AC:54
HD 218753 2 Cas	35186	23	9.7	59	20.0	5.6,8.4,11	Cas	Sep AB:166, Sep AC:163
HD 218803	35193	23	10.1	57	26.9	6.9,9.3	Cas	Sep AB:1.3
HD 220007	35330	23	19.8	57	14.6	7.2,11.9	Cas	Sep AB:18
HD 221253 1 Cas; OS 496; AR Cas	35478	23	30.0	58	32.9	4.9,7.1	Cas	Sep AB:76
HD 221377	35501	23	31.3	52	24.7	7.6,10.8	Cas	Sep AB:17
HD 223046	35742	23	46.1	50	39.8	7.3,9.9,13.2	Cas	Sep AB:52, Sep AC:23
HD 223582	35828	23	50.6	54	11.9	7.2,10.8	Cas	Sep AB:15
HD 223916	35869	23	53.6	51	31.4	6.8,9.3,11.5	Cas	Sep AB:44, Sep AC:50
HD 224320	35913	23	56.9	55	50.4	7,12.1	Cas	Sep AB:77
HD 224572 Sigma Cas; 8 Cas	35947	23	59.0	55	45.3	5,7.1	Cas	Sep AB:3
HD 225171	36029	0	4.1	49	59.3	7.8,12	Cas	Sep AB:22
HD 225218	36037	0	4.6	42	5.6	6.1,8.7	And	Sep AB:5
HD 3 Espin 1293	36042	0	5.2	45	13.8	8.1,9.1	And	Sep AB:22
HD 98	36054	0	5.9	49	37.3	7.6,10.9	Cas	Sep AB:2
HD 445	36104	0	9.0	40	50.7	7.2,11.5,7.9,10.9	And	Sep AB:3, Sep AC:144, Sep AD:74
HD 1185	36221	0	16.3	43	35.7	6.1,10.8	And	Sep AB:9
HD 1438 26 And	36256	0	18.7	43	47.5	6,9.7	And	Sep AB:6
HD 2301 Fleming	36374	0	27.2	49	59.1	7,9,12.6,10	Cas	Sep AB:15, Sep AC:64, Sep AD:147
HD 2675	36427	0	30.8	47	31.8	8.5,8.7	Cas	Sep AB:1.1
HD 3531	36542	0	38.7	46	57.4	6.7,9.9	Cas	Sep AB:17
HD 3574	36550	0	39.2	49	21.3	6.9,9.4	Ori	Sep AB:45
HD 4134	36611	0	44.2	46	14.1	7.5,8.9	And	Sep AB:1.3
HD 4180 Omicron Cas; 22 Cas	36620	0	44.7	48	17.1	4.5,11.2	Cas	Sep AB:33
HD 5788	36832	1	0.1	44	42.7	5.7,6	And	Sep AB:8

Double	SAO #	RA (hr)	RA (min)	Dec Deg	Dec Amin	Mag	Const	Sep
HD 5927	36853	1	1.4	49	32.7	6.5,10.8	Cas	Sep AB:7
HD 6116 39 And	36874	1	2.9	41	20.7	6,12.4	And	Sep AB:20
HD 6114	36875	1	3.0	47	22.6	6.5,8.1	And	Sep AB:.6
HD 6757	36962	1	8.9	45	12.4	7.8,11	And	Sep AB:15
HD 7722	37086	1	17.7	44	37.9	6.8,10.9	And	Sep AB:40
HD 7710	37087	1	17.8	49	0.5	7,8.5,10.6	And	Sep AB:10, Sep AC:27
HD 8799 Omega And; 48 And	37228	1	27.6	45	24.5	4.8,10.4	And	Sep AB:2
HD 9826 50 And	37362	1	36.8	41	24.6	4.1,12.6	And	Sep AB:114
HD 10205 53 And	37418	1	40.6	40	34.6	5,10.1	And	Sep AB:53
HD 11031	37536	1	49.3	47	53.8	6,7,9.2	Per	Sep AB:2, Sep AC:19
HD 11428 55 And	37587	1	53.3	40	43.8	5.6,10.9	And	Sep AB:60
HD 11926	37658	1	58.1	41	23.1	7.6,9.7	And	Sep AB:28
HD 12533 Gamma And; 57 And; Almach	37734	2	3.9	42	19.8	2.1,5.1,6.3	And	Sep AB:10, Sep AC:.3
Almach	37735	2	3.9	42	19.9	5.1	And	10
HD 13151	37817	2	9.6	42	51.6	7.3,11	And	Sep AB:10
HD 13594	37878	2	14.0	47	29.1	6.1,7.1	And	Sep AB:1
HD 14189 Ali	37940	2	18.6	40	16.7	7.3,8.3	And	Sep AB:11
HD 14477	37971	2	21.6	44	36.0	7,9.2	And	Sep AB:2
HD 14622	37986	2	22.8	41	23.9	5.8,10.4	And	Sep AB:56
HD 16780	38274	2	43.0	48	15.9	6.6,11.6,10.7	Per	Sep AB:6, Sep AC:73
HD 16895 Theta Per; 13 Per	38288	2	44.2	49	13.8	4.1,9.9	Per	Sep AB:20
HD 17359	38352	2	48.8	49	11.1	7.6,11	Per	Sep AB:25
HD 17818	38418	2	53.3	48	34.2	6.2,10.5	Per	Sep AB:7
HD 18155	38455	2	56.6	47	9.8	6.1,11.6	Per	Sep AB:25
HD 18392	38485	2	58.8	43	21.9	6.7,10.8	Per	Sep AB:245
HD 19356 Beta Per; 26 Per; Algol	38592	3	8.2	40	57.3	2.1,12.7,12.5,10.5	Per	Sep AB:58, Sep AC:67, Sep AD:82
HD 20283	38700	3	17.2	40	29.0	6.7,8	Per	Sep AB:3
HD 20676	38749	3	21.5	45	23.2	7.4,11.8	Per	Sep AB:12
HD 21449	38870	3	28.9	40	11.2	7.6,10,11.1	Per	Sep AB:23, Sep AC:53
HD 21448	38873	3	29.2	45	3.0	7.1,8.4	Per	Sep AB:4
HD 21455	38874	3	29.4	46	56.3	6.2,11.4	Per	Sep AB:28
HD 21641	38908	3	31.5	47	51.8	6.8,10.6	Per	Sep AB:29
HD 22428	39005	3	38.3	44	48.1	8,,8	Per	
HD 22679	39031	3	40.7	46	1.4	7.4,8.4	Per	Sep AB:3
HD 23230 41 Per; Espin	39078	3	45.2	42	34.7	3.8,11.8	Per	Sep AB:31
HD 24117	39161	3	52.1	40	47.8	7.6,8.5	Per	Sep AB:.9
HD 24689	39212	3	57.3	41	52.8	6.8,10.3	Per	Sep AB:9
HD 25367	39278	4	3.5	42	10.9	8,,10.1	Per	
HD 25932	39331	4	8.2	43	11.5	7.1,6.7	Per	Sep AB:134
HD 25949	39334	4	8.3	41	29.4	7.9,11	Per	Sep AB:97
HD 26051	39342	4	9.2	40	9.8	7.5,10.1	Per	Sep AB:3
HD 276132	39401	4	14.3	41	2.5	9.1,10	Per	Sep AB:6
HD 26630 Mu Per; 51 Per; OS 73; H VI 20	39404	4	14.9	48	24.6	4.1,11.6,10	Per	Sep AB:14, Sep AC:84
HD 26907	39438	4	17.3	46	13.1	7.1,7.5	Per	Sep AB:58
HD 27395	39484	4	21.7	50	2.1	7.1,9.6	Per	Sep AB:2

Double	SAO #	RA (hr)	RA (min)	Dec Deg	Dec Amin	Mag	Const	Sep
HD 28704 57 Per; OSS 50	39604	4	33.4	43	3.8	6.1,6.8,12.1	Per	Sep AB:118, Sep AC:76
HD 28986	39634	4	36.2	47	22.3	7.6,7.8	Per	Sep AB:58
HD 29235	39660	4	38.1	42	7.1	7.4,8.8,11.5,11	Per	Sep AB:1, Sep AC:30, Sep AD:72
HD 29833 AxCD=STF 581	39712	4	44.0	42	25.1	7.5,10.2,10.7	Per	Sep AB:6, Sep AC:97
HD 31964 Epsilon Aur; 7 Aur; AC = Bur 554; Maaz	39955	5	2.0	43	49.4	3,11.7,12	Aur	Sep AB:43, Sep AC:46
HD 32903	40052	5	9.1	49	7.3	6.6,10.8	Aur	Sep AB:21
HD 34029 Alpha Aur; Capella, "little female goat"	40186	5	16.7	46	0.2	2.1,11.1,10.1	Aur	Sep AB:142, Sep AC:485
HD 34533	40251	5	20.6	46	57.8	6.5,9.6	Aur	Sep AB:23
HD 34903	40294	5	23.2	47	1.3	6.8,10.9	Aur	Sep AB:20
HD 35951	40378	5	30.2	41	17.0	8.1,11	Aur	Sep AB:20
HD 36146	40401	5	32.3	49	23.7	6.7,7.5	Aur	Sep AB:7
HD 36929	40485	5	37.1	41	49.7	7.1,8.7	Aur	Sep AB:2
HD 37841	40560	5	43.3	41	7.4	7.5,10	Aur	Sep AB:18
HD 40183 34 Aur; H VI 88; Menkalinan	40750	5	59.5	44	56.8	2.1,10.6	Aur	Sep AB:185
HD 40325 H VI 91	40769	6	0.3	44	35.6	6.2,9,9	Aur	Sep AB:34, Sep AC:34
HD 41161	40844	6	5.9	48	15.0	6.8,11.1	Aur	Sep AB:10
HD 41847	40898	6	9.7	43	8.5	7.1,9.3	Aur	Sep AB:44
HD 42126 41 Aur; OS 47 rej	40924	6	11.6	48	42.8	6.6,7	Aur	Sep AB:8
HD 42196	40928	6	11.5	43	9.9	7,13.7	Aur	Sep AB:15
HD 47047	41230	6	38.6	40	20.4	7.5,9.8,9.2	Aur	Sep AB:49, Sep AC:62
HD 47046	41232	6	38.7	41	34.9	6.9,8.2,10.2,12.8	Aur	Sep AB:2, Sep AC:83, Sep AD:6
HD 47174 52 Aur	41239	6	39.3	42	29.4	4.8,10.6,11.3	Aur	Sep AB:53, Sep AC:99
HD 49288	41371	6	50.0	46	11.1	7.2,11.2	Aur	Sep AB:28
HD 49403	41376	6	50.2	39	57.2	8,11.4	Aur	Sep AB:6
HD 49520 58 Aur	41380	6	50.8	41	47.0	5,10,11.6	Aur	Sep AB:41, Sep AC:118
HD 55078	41630	7	13.9	48	29.9	7.3,11,10	Lyn	Sep AB:3, Sep AC:33
HD 58662	41794	7	28.5	42	45.2	7.9,10	Aur	Sep AB:12
HD 58661 AC = Bur 758	41797	7	28.9	48	11.1	5.7,10.5,10.2	Lyn	Sep AB:1, Sep AC:17
HD 58855	41808	7	29.9	49	40.4	5.4,10.2	Lyn	Sep AB:169
HD 60335	41877	7	35.9	43	1.9	6.4,8.1	Lyn	Sep AB:2
HD 62068	41969	7	44.3	45	22.1	7.5,11.1	Lyn	Sep AB:11
HD 68562	42242	8	14.8	43	2.1	6.8,9.9	Lyn	Sep AB:4
HD 70516	42337	8	24.3	44	57.1	7.7,9.3	Lyn	Sep AB:29
HD 70647 OSS 93	42342	8	24.7	42	0.3	6,8.5	Lyn	Sep AB:83
HD 74010	42512	8	43.4	48	51.7	7.7,7.8	UMa	Sep AB:10
HD 76644 Iota UMa; 9 UMa; Talitha, "the heel", OS 196	42630	8	59.2	48	2.7	3.1,10.8	UMa	Sep AB:2
HD 79107	42755	9	13.6	46	59.4	7.5,9	UMa	Sep AB:2.5
HD 80608 39 Uma	42825	9	22.5	49	32.7	7.1,8.9	UMa	Sep AB:6
HD 81688	42876	9	28.7	45	36.2	5.4,7.8,10.3	UMa	Sep AB:72, Sep AC:84
HD 82780	42931	9	35.4	39	57.8	6.8,8.1,8.7	Lyn	Sep AB:25, Sep AC:118
HD 89686	43306	10	22.0	43	54.3	7.6,8.1	UMa	Sep AB:9
HD 91312	43379	10	33.2	40	25.5	4.7,11.6	UMa	Sep AB:19
HD 92787	43444	10	43.6	46	12.3	5.2,7.3	UMa	Sep AB:287
HD 93457	43475	10	48.0	41	6.6	7,7.8	UMa	Sep AB:.8
HD 95241	43564	11	0.3	42	54.8	6,13.2	UMa	Sep AB:37

Double	SAO #	RA (hr)	RA (min)	Dec Deg	Dec Amin	Mag	Const	Sep
HD 95296	43565	11	0.7	42	43.9	6.7,11.3	UMa	Sep AB:13
HD 95768	43594	11	3.7	44	19.8	7.5,9.5	UMa	Sep AB:49
HD 99607	43750	11	27.9	44	34.0	6.8,10.4	UMa	Sep AB:3
HD 103483 65 UMa; DN UMa; A1777	43945	11	55.1	46	28.6	6.7,,8.5,6.5	UMa	
HD 104513 DP UMa	44002	12	2.1	43	2.7	5.1,8.8	UMa	Sep AB:311
HD 106690 2 CVn	44097	12	16.1	40	39.6	5.8,8.1	CVn	Sep AB:12
HD 108574	44187	12	28.1	44	47.7	7.5,8.1	CVn	Sep AB:9
HD 113892	44470	13	6.2	40	55.4	7.3,10.6,11.1	CVn	Sep AB:31, Sep AC:57
HD 120475	44759	13	48.6	48	21.4	7.5,10.7	UMa	Sep AB:4
HD 123782	44905	14	8.3	49	27.4	5.3,10.9	Boo	Sep AB:79
HD 125796	45000	14	20.3	48	30.4	7.4,8.3	Boo	Sep AB:1
HD 126531	45045	14	24.6	47	49.8	7.6,9.7	Boo	Sep AB:20
HD 131041 39 Boo	45231	14	49.7	48	43.2	6.2,6.9	Boo	Sep AB:3
HD 132357	45298	14	57.5	40	9.7	8.9,9.4	Boo	Sep AB:12
HD 133029 BX Boo	45326	15	0.6	47	16.6	6.4,9.6	Boo	Sep AB:36
HD 133640 44 Boo; i Boo	45357	15	3.8	47	39.2	5.3,6.2	Boo	Sep AB:2
HD 135364	45436	15	12.7	48	34.8	7.2,11.1	Boo	Sep AB:26
HD 137805	45541	15	26.4	44	0.3	7.5,9.2,12.5	Boo	Sep AB:1.7, Sep AC:67
HD 138004	45551	15	27.7	42	53.1	7.5,9.8	Boo	Sep AB:41
HD 138302	45565	15	29.4	47	42.8	6.8,12.8,12.8	Boo	Sep AB:11, Sep AC:56
HD 141204	45718	15	46.2	42	28.1	7.4,11	Boo	Sep AB:4
HD 145246 Luyten	45905	16	8.0	45	22.8	7.4,,11.6	Her	
HD 145768	45940	16	10.5	47	48.4	7.6,10.7	Her	Sep AB:17
HD 145931 H IV 115	45957	16	11.8	42	22.5	5.9,10.2	Her	Sep AB:24
HD 146080	45965	16	12.7	40	46.9	7.8,11.1	Her	Sep AB:6
HD 149303	46147	16	31.8	45	35.9	5.6,8.2	Her	Sep AB:16
HD 152107 52 Her; V637 Her; A1866	46305	16	49.2	45	59.0	4.9,	Her	
HD 154115	46444	17	1.5	42	43.6	7.2,11.8	Her	Sep AB:6
HD 154759	46479	17	5.1	46	58.1	8.2,11.3	Her	Sep AB:9
HD 155860	46561	17	11.7	49	44.8	6.1,9.8	Her	Sep AB:5
HD 158033	46697	17	24.4	49	31.4	8.1,11.5	Her	Sep AB:18
HD 162880	47012	17	51.2	44	54.5	7.3,8	Her	Sep AB:3
HD 163217 90 Her	47037	17	53.3	40	0.4	5.2,8	Her	Sep AB:1.6
HD 164059	47084	17	57.1	45	51.3	6.8,9.5	Her	Sep AB:1.6
HD 164898 STF 1801	47139	18	1.1	45	21.0	7.6,10.6	Her	Sep AB:31
HD 165941	47220	18	6.5	40	21.7	7.4,8.4	Her	Sep AB:2.9
HD 171485	47587	18	33.2	40	9.5	7.3,9.5,10.9	Lyr	Sep AB:35, Sep AC:52
HD 172068	47639	18	36.2	41	16.6	6.9,7.7	Lyr	Sep AB:4
HD 173399	47727	18	42.9	44	55.5	7.2,9	Lyr	Sep AB:26
HD 174343 Fox	47811	18	47.5	49	25.9	7.2,11.2	Dra	Sep AB:108
HD 175740	47909	18	54.9	41	36.2	5.5,,11.6	Lyr	
HD 176003 OS 365	47928	18	55.9	44	13.7	6.9,10.2	Lyr	Sep AB:181
HD 176209	47947	18	57.0	45	51.3	7.4,12	Lyr	Sep AB:27
HD 176502	47965	18	58.8	40	40.8	6.2,9.6	Lyr	Sep AB:19
HD 177196 16 Lyr	48011	19	1.4	46	56.2	5,10.5	Lyr	Sep AB:44

Double	SAO #	RA (hr)	RA (min)	Dec Deg	Dec Amin	Mag	Const	Sep
HD 178208	48071	19	5.1	49	55.4	6.5,11.9	Dra	Sep AB:12
HD 179957	48192	19	12.1	49	50.7	6.8,6.8,11.4	Cyg	Sep AB:8, Sep AC:180
HD 180756	48247	19	15.3	50	4.3	6.3,10.1	Cyg	Sep AB:2
HD 185657	48673	19	37.9	49	16.9	6.5,10.9,9.5,11.9	Cyg	Sep AB:25, Sep AC:56, Sep AD:11
HD 186882 Delta Cyg; 18 Cyg	48796	19	45.0	45	7.8	2.9,6.3,11.9	Cyg	Sep AB:2.4, Sep AC:66
HD 187613	48866	19	49.0	44	22.7	7.2,8.1	Cyg	Sep AB:9
HD 189178	49011	19	57.2	40	22.1	5.5,8.5	Cyg	Sep AB:64
HD 189377 OS 392	49031	19	57.9	42	15.7	6.4,9	Cyg	Sep AB:3
HD 189636	49052	19	58.9	47	21.8	7.6,8.4	Cyg	Sep AB:5
HD 190046	49094	20	1.5	40	17.9	7.9,10.7	Cyg	Sep AB:13
HD 190147 26 Cyg; H V 47	49098	20	1.3	50	6.3	5.1,10.1	Cyg	Sep AB:42
HD 190130	49106	20	1.9	40	51.5	7.3,9.2,12	Cyg	Sep AB:55, Sep AC:139
HD 192535 Fox	49336	20	13.7	43	22.7	6.1,12.6,11.1,12.9	Cyg	Sep AB:10, Sep AC:57, Sep AD:30
HD 192577 Omicron 1 Cyg; 31 Cyg; V695 Cyg	49337	20	13.6	46	44.5	3.8,7	Cyg	Sep AB:107
HD 192659 OS 403	49345	20	14.3	42	6.2	6.7,7.6,10	Cyg	Sep AB:.8, Sep AC:12
HD 192909 Omicron 2 Cyg; 32 Cyg; V1488 Cyg	49385	20	15.5	47	42.9	4,,9.7	Cyg	
HD 193092	49410	20	16.9	40	21.9	5.5,11.8,12.6	Cyg	Sep AB:13, Sep AC:112
HD 193322	49438	20	18.1	40	43.9	5.8,8,8.6	Cyg	Sep AB:3, Sep AC:34
HD 193633	49476	20	19.7	41	8.3	7.2,8.9	Cyg	Sep AB:46
HD 194093 Gamma Cyg; 37 Cyg; Sadr, "the hen's breast"	49528	20	22.2	40	15.4	2.2,10	Cyg	Sep AB:142
HD 194220 Hough 128 (B)	49550	20	22.9	42	59.0	6.2,11.3,8	Cyg	Sep AB:1, Sep AC:93
HD 195556 Omega 1 Cyg; 45 Cyg	49712	20	30.0	48	57.1	4.9,9.5	Cyg	Sep AB:56
HD 195710	49731	20	30.9	49	12.8	6.7,9.7	Cyg	Sep AB:60
HD 195774 Omega 2 Cyg; 46 Cyg; Ruchba; H 694	49741	20	31.3	49	13.2	5.4,10.1	Cyg	Sep AB:56
HD 196865	49886	20	38.3	48	4.2	6.6,11	Cyg	Sep AB:16
HD 197018	49899	20	39.5	40	34.8	6.1,7.1,8.9	Cyg	Sep AB:.8, Sep AC:69
HD 197345 H N 73; Deneb, "the hen's tail"; H 702	49941	20	41.4	45	16.8	1.3,11.7	Cyg	Sep AB:75
HD 198195 Bottger	50055	20	47.2	42	24.6	7.4,8.7,9.7	Cyg	Sep AB:10, Sep AC:107
HD 198478 55 Cyg; V1661 Cyg	50099	20	48.9	46	6.9	4.8,10.8	Cyg	Sep AB:21
HD 198624	50116	20	49.6	50	7.6	6.5,9.9	Cyg	Sep AB:102
HD 198625	50119	20	49.9	46	39.7	6.3,11.3	Cyg	Sep AB:19
HD 198639	50121	20	50.1	44	3.4	5.1,11.1	Cyg	Sep AB:76
HD 199206	50205	20	54.1	45	6.6	7.4,9.2	Cyg	Sep AB:3
HD 199218	50209	20	54.4	40	42.2	6.7,10.7	Cyg	Sep AB:6
HD 199355	50226	20	55.3	42	30.8	7,9.5	Cyg	Sep AB:3
HD 200120 59 Cyg; V832 Cyg	50335	20	59.8	47	31.3	4.7,9.6,11.5,11	Cyg	Sep AB:20, Sep AC:27, Sep AD:38
HD 200177	50340	21	0.1	48	40.8	7.3,,10.8	Cyg	
HD 200723	50409	21	3.9	41	37.7	6.3,8.8	Cyg	Sep AB:57
HD 201076	50439	21	5.7	47	48.3	7.7,12.2	Cyg	Sep AB:11
HD 201836	50536	21	10.5	47	41.5	6.5,7.4	Cyg	Sep AB:134
HD 202403	50604	21	14.3	41	8.8	7.1,8.2	Cyg	Sep AB:1
HD 203096	50699	21	18.9	41	2.4	6.2,12.7,11.7	Cyg	Sep AB:17, Sep AC:56
HD 204131	50817	21	24.9	49	19.4	6.6,12.6	Cyg	Sep AB:20
HD 206312	51163	21	39.9	49	8.0	7.1,11.7,9.5	Cyg	Sep AB:9, Sep AC:55
HD 206538 76 Cyg	51189	21	41.6	40	48.4	6.1,10	Cyg	Sep AB:62

Double	SAO #	RA (hr)	RA (min)	Dec Deg	Dec Amin	Mag	Const	Sep
HD 206656	51212	21	42.5	41	2.8	7.5,11.9	Cyg	Sep AB:29
HD 206673	51214	21	42.6	42	26.5	7.5,10.9	Cyg	Sep AB:16
HD 207966	51378	21	51.9	42	20.9	7.9,12.3,12.3,9	Cyg	Sep AB:11, Sep AC:55, Sep AD:190
HD 209515	51595	22	2.9	44	39.0	5.6,8.1,10.5	Lac	Sep AB:.8, Sep AC:67
HD 210405	51698	22	9.2	44	50.8	6.7,9.7	Lac	Sep AB:27
HD 210629	51728	22	10.6	47	54.8	7.5,10.4	Lac	Sep AB:22
HD 210819	51749	22	12.0	50	11.8	7.2,10.5	Lac	Sep AB:15
HD 211137	51787	22	14.3	40	29.1	7.9,9.6	Lac	Sep AB:46
HD 211264	51799	22	14.7	49	21.3	7.6,10.4	Lac	Sep AB:20
HD 211660	51844	22	17.5	49	7.6	6.5,11	Lac	Sep AB:21
HD 212120 2 Lac	51904	22	21.0	46	32.2	4.6,10.8	Lac	Sep AB:28
HD 212212	51919	22	21.9	40	40.0	6.5,13.2,10.4	Lac	Sep AB:22, Sep AC:22
HD 212468	51957	22	23.6	45	21.0	7.1,8.5	Lac	Sep AB:6
HD 213389 V350 Lac	52073	22	30.1	49	21.4	6.4,10.6	Lac	Sep AB:66
HD 213976	52155	22	34.5	40	46.5	7,9.6	Lac	Sep AB:44
HD 215324	52303	22	43.5	46	1.6	7.4,11.3,11.2	Lac	Sep AB:15, Sep AC:179
HD 215373 13 Lac	52317	22	44.1	41	49.2	5.1,10.5	Lac	Sep AB:15
HD 216122	52401	22	49.7	40	30.9	7.4,8.3	Lac	Sep AB:5
HD 216369	52433	22	51.8	41	18.8	7.1,12.5,8.1	Lac	Sep AB:20, Sep AC:81
HD 216608 Bur 382	52465	22	53.7	44	45.0	5.8,10.7	Lac	Sep AB:28
HD 216916 16 Lac; EN Lac	52512	22	56.4	41	36.2	5.6,11.6,8.7	Lac	Sep AB:27, Sep AC:63
HD 217073	52529	22	57.4	43	0.8	6.9,11	Lac	Sep AB:7
HD 217811 LN And	52626	23	2.7	44	3.5	6.4,9.6	And	Sep AB:7
HD 218452 4 And	52711	23	7.6	46	23.3	5.3,11.7	And	Sep AB:48
HD 218739 KZ And	52754	23	10.0	47	57.6	7.1,7.9	And	Sep AB:15
HD 218790	52759	23	10.3	49	1.1	7.3,10.2	And	Sep AB:4
HD 218868	52768	23	10.8	45	31.0	7,12.6	And	Sep AB:31
HD 219734 8 And; Fox	52871	23	17.7	49	0.9	5,10.3	And	Sep AB:219
HD 219917	52899	23	19.1	48	55.2	7.2,8.5	And	Sep AB:49
HD 219962	52912	23	19.7	48	22.8	6.3,10,11.6	And	Sep AB:86, Sep AC:134
HD 220105	52927	23	20.7	44	7.0	6.3,9.6	And	Sep AB:13
HD 222109	53202	23	37.5	44	25.8	5.8,7,10.5	And	Sep AB:.5, Sep AC:116
HD 222107 16 And	53204	23	37.5	46	27.8	3.8,10.5	And	Sep AB:218
HD 222207	53225	23	38.4	42	30.7	6.8,12.5,11.3,10.9	And	Sep AB:7, Sep AC:38, Sep AD:45
HD 222439 Kappa And; 19 And; H V 17	53264	23	40.4	44	20.1	4.2,11.1,11.3	And	Sep AB:46, Sep AC:107
HD 222900	53332	23	44.5	46	22.8	7.6,9.8	And	Sep AB:5
HD 223228	53373	23	47.5	49	17.6	7.5,11	Cas	Sep AB:15
HD 223672 OS 510	53427	23	51.6	42	5.0	7.3,11.5	And	Sep AB:21
HD 223835	53445	23	53.0	41	20.7	7.3,9.6	And	Sep AB:51
HD 225023	53596	0	2.8	35	48.9	7.5,13.4	And	Sep AB:24
HD 225220	53617	0	4.7	34	15.9	7,8,9,9.7	And	Sep AB:.6, Sep AC:26, Sep AD:96
HD 290	53661	0	7.6	40	8.9	6.7,10.4	And	Sep AB:25
HD 332	53668	0	8.0	31	23.5	7.1,7.3	And	Sep AB:110
HD 1223	53772	0	16.7	36	37.8	7,9.6	And	Sep AB:2
HD 1641	53827	0	20.9	32	58.7	7.5,8	And	Sep AB:1.7

Double	SAO #	RA (hr)	RA (min)	Dec Deg	Dec Amin	Mag	Const	Sep
HD 2767	53956	0	31.4	33	34.9	5.9,9.3	And	Sep AB:56
HD 3165	53999	0	35.2	36	50.0	6.6,9,12.9	And	Sep AB:12, Sep AC:25
HD 3369 Pi And; 29 And; H V 17	54033	0	36.9	33	43.2	4.3,8.8,11.4	And	Sep AB:36, Sep AC:55
HD 4372	54138	0	46.4	30	56.6	7.2,7.3	And	Sep AB:47
HD 4744	54175	0	49.9	30	27.0	7.6,13.8,8.7	Psc	Sep AB:100, Sep AC:109
HD 4961	54211	0	51.9	33	53.4	6.9,11.5	And	Sep AB:43
HD 5448 Mu And; 37 And	54281	0	56.7	38	29.9	3.9,	And	
HD 6476 76 Psc	54421	1	6.2	32	10.9	6.7,9.6,10.6	Psc	Sep AB:57, Sep AC:139
HD 6586 C star of A1516	54434	1	7.1	38	39.0	7.6,8.8	And	Sep AB:62
HD 6860 Beta And; 43 And; Mirach, "the girdle"	54471	1	9.7	35	37.3	2.4,12.1,12.9	And	Sep AB:80, Sep AC:95
HD 7215	54514	1	12.9	32	4.5	7,8.6	Psc	Sep AB:20
HD 7384	54541	1	14.3	30	32.5	7.4,11.2	Psc	Sep AB:21
HD 7853	54592	1	18.8	37	23.2	6.4,9.2	And	Sep AB:6
HD 7864	54593	1	18.9	39	57.8	7.5,11.7	And	Sep AB:21
HD 8481	54667	1	24.5	39	1.5	7.9,9.7,9.1	And	Sep AB:37, Sep AC:144
HD 9370	54771	1	32.8	35	50.6	6.6,10.3,10.4,10.6	And	Sep AB:3, Sep AC:24, Sep AD:23
HD 10156	54884	1	40.1	38	58.2	7.6,8.7	And	Sep AB:1.6
HD 11430	55058	1	53.2	37	19.3	7.1,8.4	And	Sep AB:4
HD 11749 56 And	55107	1	56.1	37	15.1	5.8,6.1	And	Sep AB:197
HD 13247	55321	2	10.3	33	21.9	8.1,10.3	Tri	Sep AB:11
HD 13295 59 And	55331	2	10.9	39	2.6	6.1,6.8	And	Sep AB:16
HD 13480 Iota Tri; 6 Tri; TZ Tri	55347	2	12.4	30	18.2	4.9,6.9	Tri	Sep AB:4
HD 15582	55625	2	31.5	37	27.3	7.7,11.7	And	Sep AB:20
HD 15625	55630	2	31.8	38	7.3	7,11.7	And	Sep AB:20
HD 15832	55658	2	33.6	31	24.5	7.4,12.1	Tri	Sep AB:23
HD 16004	55680	2	35.5	39	39.9	6.4,10.6	And	Sep AB:16
HD 16028	55684	2	35.6	37	18.8	5.7,10.3,11.5	Tri	Sep AB:18, Sep AC:23
HD 16058	55687	2	35.8	34	41.3	5.6,6.8	Tri	Sep AB:141
HD 16327 Fox	55729	2	38.3	37	43.6	6.2,11.2,10.4	And	Sep AB:8, Sep AC:21
HD 16396	55748	2	38.7	33	25.1	6.9,8.2	Tri	Sep AB:1.6
HD 16968	55824	2	44.2	35	6.9	7.2,11.3	Per	Sep AB:32
HD 17240	55872	2	47.0	35	33.3	6.4,8.5	Per	Sep AB:1.4
HD 17572 OS 46	55920	2	50.0	30	31.6	6.7,10	Ari	Sep AB:5
HD 17904 20 Per; Bur 524	55975	2	53.7	38	20.3	5.6,,10.1	Per	
HD 18715	56095	3	1.5	32	24.8	6.9,8.4	Per	Sep AB:9
HD 19132	56147	3	5.7	32	1.9	7.8,9.8	Per	Sep AB:102
HD 19444	56196	3	8.8	35	27.6	7.6,9.8	Per	Sep AB:4
HD 19771	56241	3	12.1	37	13.1	7.3,8.3	Per	Sep AB:3
HD 20193	56293	3	15.8	32	51.4	6.3,12.8,12.5	Per	Sep AB:34, Sep AC:44
HD 20995	56419	3	24.5	33	32.2	5.8,9.1	Per	Sep AB:4
HD 22124 IX Per	56559	3	35.0	32	1.0	6.7,10.6	Per	Sep AB:5
HD 22160	56564	3	35.4	33	40.6	8.5,8.6	Per	Sep AB:3
HD 22195	56569	3	35.6	31	40.8	7.6,7.6	Per	Sep AB:1.1
HD 22692	56613	3	40.1	34	7.0	6.8,7.6	Per	Sep AB:2
HD 22733	56623	3	40.8	39	7.1	7.9,9.8	Per	Sep AB:20

Double	SAO #	RA (hr)	RA (min)	Dec Deg	Dec Amin	Mag	Const	Sep
HD 22951 40 Per	56646	3	42.4	33	57.9	5,9.5	Per	Sep AB:20
HD 22963	56650	3	42.5	32	56.4	6.8,11.2	Per	Sep AB:38
HD 23107	56667	3	44.0	38	22.4	7.7,8.3	Per	Sep AB:33
HD 23231	56681	3	45.1	40	4.8	7.5,10.5	Per	Sep AB:50
HD 23625 h5457	56709	3	47.9	33	36.0	6.6,9.2	Per	Sep AB:4
HD 23922	56735	3	50.2	34	49.3	6.8,11.4	Per	Sep AB:30
HD 24534 x Per	56815	3	55.4	31	2.8	6.8,12	Per	Sep AB:23
HD 24760 Epsilon Per; 45 Per	56840	3	57.8	40	0.6	2.9,8.9	Per	Sep AB:9
HD 25184	56902	4	1.6	38	39.9	7.7,9.2	Per	Sep AB:24
HD 25444	56936	4	4.1	39	30.7	7.1,8.6	Per	Sep AB:.8
HD 25893	56982	4	7.6	38	4.7	7.1,8.9	Per	Sep AB:1.5
HD 26842	57110	4	15.9	31	41.6	7.3,8.1,8.5,8	Per	Sep AB:.8, Sep AC:56, Sep AD:129
HD 27495	57186	4	22.0	39	56.1	7.3,11.3	Per	Sep AB:19
HD 27770	57211	4	24.4	34	18.9	7.3,8.6	Per	Sep AB:20
HD 27786 56 Per	57216	4	24.6	33	57.6	5.9,8.7	Per	Sep AB:4
HD 28271	57249	4	28.9	30	21.7	6.4,8.2,10.6,13.3	Tau	Sep AB:15, Sep AC:121
HD 28503	57279	4	31.4	40	0.5	6.3,7	Per	Sep AB:9
HD 29785	57387	4	43.1	33	55.8	7.3,11.3	Aur	Sep AB:30
HD 31647 Omega Aur; 4 Aur	57548	4	59.2	37	53.5	5.1,8	Aur	Sep AB:6
HD 31761 5 Aur	57559	5	0.3	39	23.7	6,9.7	Aur	Sep AB:4
HD 33203	57704	5	10.3	37	18.1	6,7,10.4	Aur	Sep AB:1.5, Sep AC:73
HD 33959 14 Aur; KW Aur	57799	5	15.4	32	41.3	5.1,11.1,7.4	Aur	Sep AB:14, Sep AC:11
HD 34201	57836	5	17.1	33	19.8	7.6,8.4	Aur	Sep AB:3
HD 34545	57903	5	20.1	39	20.6	7.4,13.1,11.5,10.6	Aur	Sep AB:19, Sep AC:29, Sep AD:33
HD 35186 Sigma Aur; 21 Aur	57981	5	24.6	37	23.1	5,11,13.2	Aur	Sep AB:8, Sep AC:27
HD 35295	57999	5	25.2	34	51.3	6.6,8.4	Aur	Sep AB:32
HD 35620 24 Aur	58051	5	27.6	34	28.6	5.1,10.7,8.1	Aur	Sep AB:61, Sep AC:207
HD 35681	58065	5	28.0	33	46.0	6.4,8.8,10.1,10.1	Aur	Sep AB:97, Sep AC:103, Sep AD:109
HD 36041	58129	5	30.7	39	49.6	6.4,7.6	Aur	Sep AB:75
HD 37269 26 Aur; Bur 1240; AD = Bur 90	58280	5	38.6	30	29.6	6,8,11.5	Aur	Sep AB:12, Sep AC:33
HD 37252	58281	5	38.7	32	28.5	7.7,10	Aur	Sep AB:52
HD 38583	58451	5	48.2	30	32.1	7,10	Aur	Sep AB:12
HD 38656 Tau Aur; H 21; 29 Aur	58465	5	49.2	39	10.9	4.5,11.5,11.5	Aur	Sep AB:39, Sep AC:49
HD 38819	58484	5	49.9	31	47.2	6.9,8.1,10.5	Aur	Sep AB:4, Sep AC:207
HD 39003 32 Aur; H V 90	58502	5	51.5	39	8.9	4,9.3	Aur	Sep AB:54
HD 39094	58517	5	52.0	37	50.1	7.9,11.3	Aur	Sep AB:25
HD 39477	58556	5	54.3	30	29.6	7.9,9.4	Aur	Sep AB:5
HD 40312 Theta Aur; 37 Aur	58636	5	59.7	37	12.8	2.7,7.1	Aur	Sep AB:3
HD 41162	58716	6	5.0	37	57.9	6.4,12.7,11.6	Aur	Sep AB:17, Sep AC:83
HD 41889	58791	6	9.1	31	15.9	7.6,10.7	Aur	Sep AB:9
HD 43017	58905	6	15.6	36	8.9	6.9,7.5,11.4	Aur	Sep AB:11, Sep AC:202
HD 46296	59230	6	34.3	38	4.6	6.7,9,10	Aur	Sep AB:43, Sep AC:46
HD 46359	59239	6	34.7	38	32.4	6.3,7.3,11	Aur	Sep AB:3, Sep AC:29
HD 46451	59255	6	35.1	37	3.9	7.4,11.1	Aur	Sep AB:3
HD 46482	59259	6	35.4	37	42.9	7.2,8.3	Aur	Sep AB:6

Double	SAO #	RA (hr)	RA (min)	Dec Deg	Dec Amin	Mag	Const	Sep
HD 48510	59444	6	45.2	30	49.6	7.3,8.8,13.1	Gem	Sep AB:4, Sep AC:19
HD 50019 34 Gem	59570	6	52.8	33	57.7	3.6,12.6,12.7	Gem	Sep AB:79, Sep AC:102
HD 50018 59 Aur; OX Aur	59571	6	53.0	38	52.1	6.2,9.5,12.8	Aur	Sep AB:22, Sep AC:26
HD 51560	59665	6	59.4	37	5.9	7.9,8.2,8.5	Aur	Sep AB:27, Sep AC:7
HD 54159	59824	7	9.4	36	33.8	6.7,10	Aur	Sep AB:6
HD 54719 Tau Gem; 46 Gem	59858	7	11.1	30	14.8	4.4,12.4	Gem	Sep AB:60
HD 58946 Rho Gem; 62 Gem	60118	7	29.1	31	46.9	4.2,,10.6	Gem	
HD 60106	60193	7	34.4	33	7.4	7.9,12.5,9.7	Gem	Sep AB:19, Sep AC:44
HD 60178 Alpha Gem; Castor; 66 Gem; C = YY Gem	60198	7	34.6	31	53.4	1.9,2.9,8.8	Gem	Sep AB:2.8, Sep AC:73
HD 60318	60204	7	35.1	30	57.7	5.3,,9.3	Gem	
HD 60986 70 Gem	60243	7	38.5	35	2.9	5.6,10.6	Gem	Sep AB:160
HD 63610 Franks	60380	7	51.0	31	36.8	6.8,7.7	Gem	Sep AB:77
HD 67501	60604	8	9.5	32	13.3	6.7,8	Cnc	Sep AB:3
HD 67482	60606	8	9.7	35	42.2	7.3,11.3	Lyn	Sep AB:69
HD 67587	60611	8	10.2	35	27.5	6.7,10.4	Lyn	Sep AB:51
HD 69715	60729	8	19.5	35	2.7	7.2,8.3	Lyn	Sep AB:93
HD 71354	60832	8	28.1	33	31.8	7.6,11.6	Lyn	Sep AB:14
HD 72280	60893	8	33.2	33	25.9	7.8,11.1,10.5	Lyn	Sep AB:27, Sep AC:51
HD 75052	61060	8	49.0	38	20.7	7.4,9.1	Lyn	Sep AB:9
HD 75353	61077	8	50.7	35	4.2	6.9,7.5	Lyn	Sep AB:4
HD 75698 Sigma 1 Cnc; 51 Cnc	61102	8	52.6	32	28.4	5.7,10	Cnc	Sep AB:79
HD 75959 Iota Cnc; 57 Cnc	61125	8	54.2	30	34.8	6,6.5,9.1	Cnc	Sep AB:1.7, Sep AC:55
HD 76813 Sigma 3 Cnc; 64 Cnc; Sh 100	61177	8	59.5	32	25.1	5.2,8.9	Cnc	Sep AB:89
HD 77104 Sigma 4 Cnc; 66 Cnc	61202	9	1.4	32	15.1	5.9,8,10.8	Cnc	Sep AB:4, Sep AC:187
HD 80024	61387	9	18.4	35	21.9	5.9,6.7	Lyn	Sep AB:1.8
HD 80081 38 Lyn	61391	9	18.8	36	48.3	3.9,6.6,10.8,10.7	Lyn	Sep AB:3, Sep AC:82, Sep AD:178
HD 80441	61411	9	21.0	38	11.3	6.1,6.7,11.4	Lyn	Sep AB:.9, Sep AC:143
HD 82087 7 LMi	61529	9	30.7	33	39.4	6.1,9.4,9.8	LMi	Sep AB:63, Sep AC:98
HD 83698	61629	9	41.4	38	57.1	6.9,8.6	LMi	Sep AB:3
HD 84870	61697	9	49.0	34	5.2	7.2,11.2,11.8	LMi	Sep AB:28, Sep AC:33
HD 87127	61837	10	3.9	38	1.3	6.8,13	LMi	Sep AB:44
HD 87442	61855	10	5.9	39	34.9	7.3,11.6	LMi	Sep AB:22
HD 90068	62021	10	24.4	34	10.6	7,8.3	LMi	Sep AB:208
HD 91130 33 LMi	62101	10	31.9	32	22.8	5.8,11.8	LMi	Sep AB:43
HD 92620	62206	10	42.2	31	41.8	6,10.3	LMi	Sep AB:113
HD 95934	62387	11	4.5	38	14.5	6,,7.4	UMa	
HD 98230 Xi UMa; 53 UMa; Alula Australis	62484	11	18.2	31	32.2	3.8,3.8	UMa	Sep AB:1.7
HD 98262 Nu UMa; 54 UMa; Alula Borealis	62486	11	18.5	33	5.6	3.5,9.9	UMa	Sep AB:7
HD 99787 57 Uma	62572	11	29.1	39	20.2	5.3,7.7,11.5	UMa	Sep AB:5, Sep AC:217
HD 99946 AW UMa	62579	11	30.1	29	58.0	6.9,9.4	UMa	Sep AB:67
HD 101501	62655	11	41.0	34	12.4	5.5,10.4	UMa	Sep AB:159
HD 101606	62658	11	41.6	31	44.7	5.7,10	UMa	Sep AB:54
HD 102942	62731	11	51.1	33	22.5	6.2,8.7	UMa	Sep AB:47
HD 103928 Bur 918	62774	11	58.1	32	16.5	6.4,8.7,10.5	UMa	Sep AB:1.6, Sep AC:122
HD 104204	62789	12	0.2	36	43.8	7.5,8.3	UMa	Sep AB:87

Double	SAO #	RA (hr)	RA (min)	Dec Deg	Dec Amin	Mag	Const	Sep
HD 106365 A2058	62904	12	14.1	32	47.1	6.9,8.8	Com	Sep AB:27
HD 106784	62930	12	16.7	39	35.5	7.2,10.1	CVn	Sep AB:6
HD 112413 Alpha CVn; Cor Caroli; 12 CVn	63257	12	56.0	38	19.1	2.9,5.5	CVn	Sep AB:19
HD 114146	63362	13	8.2	38	44.4	7.3,8.6	CVn	Sep AB:7
HD 114376 15, 17 CVn	63374	13	9.7	38	32.0	6,6.2	CVn	Sep AB:274
HD 114723	63396	13	12.0	32	5.1	6.7,7.7	CVn	Sep AB:3
HD 114976	63416	13	13.7	29	49.1	7.3,,10.5	Com	
HD 117846	63593	13	32.4	36	49.1	6.8,8.1	CVn	Sep AB:4
HD 117902	63599	13	32.8	34	54.4	6.8,,9.3	CVn	
HD 118623 25 CVn	63648	13	37.5	36	17.7	5,6.9,8.7	CVn	Sep AB:2.2, Sep AC:215
HD 120164 OSS 125	63739	13	47.0	38	32.6	5.5,8.9	CVn	Sep AB:71
HD 123408	63935	14	6.7	34	46.7	7,10.2	CVn	Sep AB:13
HD 127304	64178	14	29.8	31	47.5	6.1,10.5	Boo	Sep AB:25
HD 127665 Rho Boo; 25 Boo	64202	14	31.8	30	22.2	3.6,11.3	Boo	Sep AB:42
HD 128093	64221	14	34.2	32	32.1	6.3,12.2	Boo	Sep AB:25
HD 129260	64268	14	40.7	31	17.4	7.8,8.9	Boo	Sep AB:1
HD 132029	64408	14	56.0	32	18.0	6.1,10.4	Boo	Sep AB:5
HD 132753	64450	14	59.7	35	6.1	7.8,12.1	Boo	Sep AB:24
HD 135438	64574	15	14.1	31	47.3	6,7.9	Boo	Sep AB:122
HD 135722 Delta Boo; 49 Boo	64589	15	15.5	33	19.0	3.5,7.8	Boo	Sep AB:105
HD 137107 Eta CrB; 2 CrB	64673	15	23.2	30	17.4	5,5.9	CrB	Sep AB:1
HD 137391 Mu 1 Boo; 51 Boo; Alkalurops	64686	15	24.5	37	22.6	4.3,6.7	Boo	Sep AB:108
HD 137392 Mu 2 Boo; 51 Boo	64687	15	24.5	37	20.8	6.5,7.6	Boo	Sep AB:2
HD 139341	64800	15	36.1	39	48.1	6.8,7.6	Boo	Sep AB:1
HD 139691 Hussey 1167	64821	15	38.2	36	14.8	7.1,7.4,7.6	CrB	Sep AB:2, Sep AC:15
HD 139892 Zeta 2 CrB; 7 CrB	64834	15	39.4	36	38.2	4.6,6	CrB	Sep AB:6
HD 141186	64893	15	46.4	36	26.7	7.6,8.8	CrB	Sep AB:30
HD 142091 11 CrB	64948	15	51.2	35	39.7	4.8,11.5	CrB	Sep AB:135
HD 142742	64970	15	54.9	34	21.7	7.1,10.1	CrB	Sep AB:28
HD 143761 Rho CrB; 15 CrB	65024	16	1.1	33	18.9	5.4,8.7	CrB	Sep AB:90
HD 143806	65025	16	0.9	39	10.6	6.7,10.6	CrB	Sep AB:10
HD 145802	65129	16	11.6	33	20.5	6.4,10.3	CrB	Sep AB:5
HD 146361 Sigma CrB; 17 CrB; TZ CrB	65165	16	14.7	33	51.6	5.2,6.6,10.6,13.1	CrB	Sep AB:7, Sep AC:86, Sep AD:9
HD 147677 19 CrB	65254	16	22.1	30	53.4	4.9,12.1	CrB	Sep AB:185
HD 147749 Nu 1 CrB; 20 CrB; H VI 18	65257	16	22.3	33	48.0	5.2,5.4,11.1,10.2	CrB	Sep AB:364, Sep AC:69, Sep AD:102
HD 147835 H V 38	65262	16	22.9	32	20.0	6.3,8.8	CrB	Sep AB:35
HD 149394	65376	16	33.2	30	54.4	7.8,10.8	Her	Sep AB:3
HD 149930	65427	16	36.4	33	49.3	7,10.8	Her	Sep AB:28
HD 150680 Zeta Her; 40 Her; Rutilicus	65485	16	41.3	31	35.8	2.8,5.5	Her	Sep AB:1.1
HD 151428	65537	16	45.8	35	37.8	7.3,10.1	Her	Sep AB:4
HD 151878	65569	16	48.7	35	55.3	7.2,9.1	Her	Sep AB:6
HD 152598	65627	16	53.0	31	42.1	5.4,12.1	Her	Sep AB:71
HD 155103	65812	17	8.0	35	56.1	5.4,,11.4	Her	
HD 157214 Dorpat Obs 544	65963	17	20.6	32	28.9	5.4,9.7	Her	Sep AB:230
HD 157779 Rho Her; 75 Her	66001	17	23.7	37	8.8	4.1,5.6	Her	Sep AB:4

Double	SAO #	RA (hr)	RA (min)	Dec Deg	Dec Amin	Mag	Const	Sep
HD 157910	66014	17	24.4	36	57.1	6.3,9.8,12	Her	Sep AB:33, Sep AC:47
HD 157946	66021	17	24.6	39	12.6	7.4,8.4	Her	Sep AB:90
HD 158756	66085	17	29.5	34	56.3	7.2,9.2	Her	Sep AB:11
HD 159118	66109	17	31.7	30	19.2	6.9,10.5,12.1	Her	Sep AB:27, Sep AC:48
HD 160822	66243	17	40.7	31	17.3	6.3,8.5	Her	Sep AB:115
HD 161832	66317	17	46.0	39	19.3	6.5,9.9	Her	Sep AB:8
HD 162094	66336	17	47.9	34	16.7	6.6,	Her	
HD 163991	66507	17	57.3	35	40.5	7.6,11.1	Her	Sep AB:22
HD 164252	66535	17	59.1	30	2.9	7.2,8.7	Her	Sep AB:20
HD 165908 99 Her	66648	18	7.0	30	33.7	5.2,,10.7	Her	
HD 169646	66936	18	23.9	38	44.3	6.4,12.9,11.5	Lyr	Sep AB:17, Sep AC:62
HD 171026	67059	18	31.1	32	14.7	7.5,8.4,12.5	Lyr	Sep AB:6, Sep AC:164
HD 171384	67097	18	32.9	38	50.1	6.9,8	Lyr	Sep AB:144
HD 172044	67164	18	36.6	33	28.1	5.4,10.6	Lyr	Sep AB:7
HD 172394	67198	18	38.4	36	3.2	7.2,8.8	Lyr	Sep AB:4
HD 172729	67238	18	40.5	31	38.6	7.4,10.7	Lyr	Sep AB:40
HD 172865	67250	18	41.3	30	17.7	6.8,,8.9,12.2	Lyr	
HD 173087 Bos 2546	67265	18	42.1	34	44.8	6.5,,8.4,11.4	Lyr	
Epsilon Lyr 1	67309	18	44.3	39	40.2	6	Lyr	2
HD 173582 Epsilon 1 Lyr; 4 Lyr	67310	18	44.3	39	40.2	4.7,5.4	Lyr	Sep AB:2.3
HD 173607 Epsilon 2 Lyr; SI 37; The Double Double	67315	18	44.4	39	36.7	4.6,5.2	Lyr	Sep AB:2.3
HD 173648 Zeta Lyr; 6 and 7 Lyr; AE = Bur 968	67321	18	44.8	37	36.3	4.3,5.9,11.5	Lyr	Sep AB:44, Sep AC:62
HD 173815	67350	18	45.8	34	31.1	6.8,8.6	Lyr	Sep AB:4
HD 174022	67378	18	47.2	31	24.3	7.2,9.5	Lyr	Sep AB:4
HD 174585 8 Lyr; H V 40	67441	18	49.7	32	48.8	5.9,11.3,10.3	Lyr	Sep AB:35, Sep AC:59
HD 174638 Beta Lyr; 10 Lyr; Bur 293; Sheliak	67451	18	50.1	33	21.8	3.4,8.6,9.9,9.9	Lyr	Sep AB:46, Sep AC:67, Sep AD:86
HD 175426 11 Lyr; H 3	67537	18	53.7	36	58.3	5.6,9.2	Lyr	Sep AB:175
HD 175491	67544	18	54.0	37	22.8	8.2,8.7,11.1	Lyr	Sep AB:1.4, Sep AC:21
HD 175588 Delta 2 Lyr; 12 Lyr; H 586	67559	18	54.5	36	53.9	4.2,11.2	Lyr	Sep AB:86
HD 175635 OS 525	67566	18	54.9	33	58.1	6,10.2,7.7	Lyr	Sep AB:1.7, Sep AC:45
HD 176051	67612	18	57.0	32	54.2	5.4,7.5,12.1	Lyr	Sep AB:1, Sep AC:55
HD 177543	67752	19	3.6	35	44.6	8,8.5	Lyr	Sep AB:3
HD 177593	67759	19	3.9	34	9.1	7.1,10.5	Lyr	Sep AB:40
HD 178661	67846	19	7.8	38	55.7	7.6,8.9	Lyr	Sep AB:1.6
HD 178849	67870	19	8.7	34	45.6	7,8.5	Lyr	Sep AB:14
HD 179484	67936	19	11.1	38	46.9	7.6,8.3	Lyr	Sep AB:5
HD 179709	67963	19	12.4	30	20.9	7.7,9.2,10.6	Lyr	Sep AB:9, Sep AC:71
HD 180214	68019	19	14.2	34	12.9	7.7,11.1	Lyr	Sep AB:22
HD 180286 Bur 975?	68022	19	14.5	34	33.8	7.3,10.2,12.6	Lyr	Sep AB:33, Sep AC:21
HD 180809 Theta Lyr; 21 Lyr	68065	19	16.4	38	8.0	4.3,9.1,11	Lyr	Sep AB:100, Sep AC:100
HD 185837 Doolittle (C)	68654	19	39.7	33	58.7	6.1,,11.7	Cyg	
HD 186097	68695	19	41.3	30	43.3	7.3,,10,11.2	Cyg	
HD 186429	68737	19	42.8	37	41.2	7.6,7.9	Cyg	Sep AB:59
HD 186506	68751	19	43.2	38	40.3	6.4,11.1	Cyg	Sep AB:25
HD 186568	68764	19	43.8	34	9.8	6,12.5,11.5	Cyg	Sep AB:15, Sep AC:34

Double	SAO #	RA (hr)	RA (min)	Dec Deg	Dec Amin	Mag	Const	Sep
HD 186605	68767	19	43.8	38	19.3	7.2,7.9	Cyg	Sep AB:1
HD 186858	68799	19	45.5	33	36.5	7.7,9.3	Cyg	Sep AB:2.6
HD 186901	68805	19	45.6	36	5.5	6.4,7.2,11.4,9	Cyg	Sep AB:15, Sep AC:46, Sep AD:143
HD 186927 H V 137; Bottger	68810	19	45.8	35	0.8	6.1,8.5	Cyg	Sep AB:38
HD 187013 17 Cyg	68827	19	46.4	33	44.0	5,9.2,9	Cyg	Sep AB:25, Sep AC:114
HD 187375	68884	19	48.3	37	9.6	7.8,8.5	Cyg	Sep AB:1
HD 187638	68909	19	49.4	38	42.6	6.1,11,11.1	Cyg	Sep AB:12, Sep AC:23
HD 187849 19 Cyg; V1509 Cyg	68947	19	50.6	38	43.3	5.1,10	Cyg	Sep AB:55
HD 187981 Espin 357	68974	19	51.7	31	8.5	7.1,12.6,9.5	Cyg	Sep AB:9, Sep AC:12
HD 188651	69079	19	55.1	30	11.7	6.5,8.9,10.6	Cyg	Sep AB:9, Sep AC:16
HD 189378	69186	19	58.5	33	16.6	7.2,8.4	Cyg	Sep AB:1
HD 189432	69193	19	58.6	38	6.3	6.3,7.7	Cyg	Sep AB:2
HD 189613	69222	19	59.6	31	49.6	6.8,9.5	Cyg	Sep AB:.9
HD 189751	69238	20	0.2	36	24.8	7,10.2	Cyg	Sep AB:12
HD 189864	69252	20	0.7	36	35.4	6.7,8.8,11.1	Cyg	Sep AB:71, Sep AC:82
HD 190429	69324	20	3.5	36	1.5	6.6,7.8,9.1,11	Cyg	Sep AB:2, Sep AC:43, Sep AD:29
HD 190466	69335	20	3.6	38	19.6	7.2,9.6	Cyg	Sep AB:29
HD 190603 V1768 Cyg	69362	20	4.6	32	13.1	5.6,10.4	Cyg	Sep AB:31
HD 191026 27 Cyg	69413	20	6.4	35	58.7	5.5,9.5,11.6	Cyg	Sep AB:12, Sep AC:36
HD 191292 h1483 (C, D)	69467	20	8.0	32	35.2	7.7,11.3,9.5,12	Cyg	Sep AB:11.6, Sep AC:47, Sep AD:72
HD 191566	69512	20	9.2	35	29.0	7.4,8.7	Cyg	Sep AB:6
HD 192124	69588	20	12.0	34	28.7	7.2,12.2,11.7	Cyg	Sep AB:23, Sep AC:43
HD 192182	69597	20	12.2	38	26.6	7.2,10.6	Cyg	Sep AB:14
HD 192557	69661	20	14.2	35	21.8	7.6,10.5	Cyg	Sep AB:13
HD 192640 V1644 Cyg; Kuiper 98	69678	20	14.5	36	48.3	5,6.6,10,10.2	Cyg	Sep AB:215, Sep AC:216
HD 193010	69743	20	16.9	31	30.4	6.9,9.1	Cyg	Sep AB:51
HD 193702 A1427	69856	20	20.2	39	24.2	6.2,9.3	Cyg	Sep AB:3
HD 194206 Scheiner 1107 (C)	69929	20	23.0	39	12.7	6.7,8.6,10.7	Cyg	Sep AB:43, Sep AC:23
HD 195593 44 Cyg	70135	20	31.0	36	56.2	6.2,11.2,12.2	Cyg	Sep AB:3, Sep AC:63
HD 195992	70189	20	33.3	33	23.3	8.2,12.9,11.7,11.1	Cyg	Sep AB:17, Sep AC:19, Sep AD:34
HD 196197	70220	20	34.7	32	30.4	6.9,9.4	Cyg	Sep AB:24
HD 196344	70241	20	35.6	35	10.2	8.5,8.9	Cyg	Sep AB:3.3
HD 196606 48 Cyg	70287	20	37.5	31	34.4	6.3,6.5	Cyg	Sep AB:181
HD 197177 49 Cyg	70362	20	41.0	32	18.4	5.7,7.8,11.8	Cyg	Sep AB:3, Sep AC:68
HD 197226	70367	20	41.0	39	4.9	6.5,10.5	Cyg	Sep AB:48
HD 197667	70435	20	43.8	39	27.6	7.7,12.1	Cyg	Sep AB:26
HD 197912 52 Cyg	70467	20	45.7	30	43.2	4.2,9.4	Cyg	Sep AB:6
HD 198134 T Cyg	70499	20	47.2	34	22.4	4.9,9.9,11.2	Cyg	Sep AB:10, Sep AC:14
HD 198183 Lambda Cyg; 54 Cyg; OS 413	70505	20	47.4	36	29.5	4.5,6.1,9.9	Cyg	Sep AB:1, Sep AC:85
HD 198436 Hough 596	70541	20	49.0	39	47.5	7.4,12.4,12.6	Cyg	Sep AB:17, Sep AC:19
HD 199042	70633	20	53.5	30	57.1	7.9,10.1	Cyg	Sep AB:66
HD 199220	70660	20	54.8	32	42.3	7.5,8.2	Cyg	Sep AB:1
HD 199374 Hussey (C)	70680	20	55.9	32	5.7	7.7,9.9,12.8	Cyg	Sep AB:37, Sep AC:31
HD 200370	70808	21	1.8	39	15.7	7.5,8.6	Cyg	Sep AB:1.1
HD 200466	70816	21	2.4	37	39.4	7.7,8.5	Cyg	Sep AB:4

Double	SAO #	RA (hr)	RA (min)	Dec Deg	Dec Amin	Mag	Const	Sep
HD 200465 H IV 113	70818	21	2.3	39	30.5	6.5,10.6,11.8	Cyg	Sep AB:19, Sep AC:26
HD 200842	70876	21	4.9	35	25.8	7.4,10.7	Cyg	Sep AB:30
HD 201091 61 Cyg; The Flying Star	70919	21	6.6	38	42.1	5.2,6,8.6,8.1	Cyg	Sep AB:30, Sep AC:305, Sep AD:306
HD 201433 V389 Cyg	70968	21	8.6	30	12.4	5.6,7.8	Cyg	Sep AB:3.6
HD 201561	70977	21	9.1	38	43.8	7.5,9.6	Cyg	Sep AB:112
HD 201819	71032	21	11.1	36	18.0	6.5,12.2	Cyg	Sep AB:22
HD 202088	71065	21	12.5	38	34.0	7.4,11.8	Cyg	Sep AB:27
HD 202109 64 Cyg	71070	21	12.9	30	13.7	3.2,11.6,11.3,12.6	Cyg	Sep AB:67, Sep AC:91, Sep AD:103
HD 202386	71109	21	14.3	34	17.7	7.4,8.1	Cyg	Sep AB:102
HD 202444 Tau Cyg; 65 Cyg	71121	21	14.8	38	2.4	3.7,6.4,13.3	Cyg	Sep AB:1, Sep AC:30
HD 202904 Mu Cyg; 66 Cyg; OS 433	71173	21	17.9	34	53.8	4.4,10,10	Cyg	Sep AB:15, Sep AC:22
HD 202924	71176	21	18.2	30	35.4	8.1,11.3	Cyg	Sep AB:4
HD 203112	71195	21	19.0	39	45.0	6.7,9.9	Cyg	Sep AB:25
HD 203358	71230	21	20.8	32	27.2	6.5,6.9,10.5	Cyg	Sep AB:2, Sep AC:82
HD 203857	71280	21	23.8	37	21.1	6.5,6.6	Cyg	Sep AB:363
HD 204172 69 Cyg	71329	21	25.8	36	40.1	5.9,10.3,9	Cyg	Sep AB:34, Sep AC:52
HD 204324	71348	21	26.8	37	31.1	7.8,9.7	Cyg	Sep AB:4
HD 205024	71424	21	31.4	40	3.9	7.4,11.4	Cyg	Sep AB:3
HD 205052	71430	21	31.8	33	49.0	7.8,8.5	Cyg	Sep AB:4
HD 205617 AC = STF 2808	71494	21	35.7	31	0.6	7.9,12,10.2	Cyg	Sep AB:15, Sep AC:41
HD 206774 79 Cyg; Kuiper 109	71643	21	43.4	38	17.0	5.6,6.9,11	Cyg	Sep AB:1.5, Sep AC:151
HD 207703 Fox	71749	21	50.1	31	50.9	7.3,10.8,10.8	Peg	Sep AB:3, Sep AC:37
HD 207702	71750	21	50.1	34	49.5	7.7,11.4	Peg	Sep AB:9
HD 209260	71949	22	1.1	39	14.8	7.1,,10.4	Lac	
HD 209693	71998	22	4.6	32	56.5	6.4,11.1	Peg	Sep AB:21
HD 210073	72039	22	7.0	34	31.2	7.2,12.1	Peg	Sep AB:22
HD 210087	72040	22	7.0	36	5.6	7.8,9.7,11.3	Lac	Sep AB:1.1, Sep AC:8
HD 210354 27 Peg	72064	22	9.2	33	10.4	5.6,11.9,11.2	Peg	Sep AB:27, Sep AC:70
HD 210772	72119	22	12.0	37	39.1	8,9.8	Lac	Sep AB:12
HD 211073	72155	22	13.9	39	42.9	4.5,10.5	Lac	Sep AB:30
HD 211419	72193	22	16.3	33	43.9	7.4,10.9	Peg	Sep AB:13
HD 211797	72228	22	18.9	37	46.1	6.2,8.8,13,9.5	Lac	Sep AB:16, Sep AC:44, Sep AD:222
HD 212280	72275	22	22.5	30	21.5	7.5,11.6	Peg	Sep AB:44
HD 213661	72448	22	32.6	34	13.7	7.9,10.5	Peg	Sep AB:23
HD 214023	72490	22	35.0	30	48.2	7.4,11.4,12.4	Peg	Sep AB:13, Sep AC:37
HD 214168 8 Lac; A1469	72509	22	35.9	39	38.1	5.7,6.5,10.5,11	Lac	Sep AB:23, Sep AC:48
HD 214652	72569	22	39.1	37	22.5	6.8,11	Lac	Sep AB:15
HD 214680 10 Lac	72575	22	39.3	39	3.0	4.9,8.4	Lac	Sep AB:62
HD 214714	72581	22	39.6	37	35.6	6,12.9	Lac	Sep AB:20
HD 214993 12 Lac; DD Lac	72627	22	41.5	40	13.5	5.2,9.2	Lac	Sep AB:69
HD 215359 OS 478; AC=Bur 450	72675	22	44.1	39	27.9	5.9,8.3,11.6	Lac	Sep AB:3, Sep AC:10
HD 216562	72815	22	53.6	30	45.8	7.5,,10.6	Peg	
HD 216831	72851	22	55.7	36	21.1	5.7,9	Lac	Sep AB:51
HD 217477	72924	23	0.7	31	5.0	6.6,9.1	Peg	Sep AB:3
HD 218097	72984	23	5.0	33	23.1	7.5,8.1	Peg	Sep AB:3

Double	SAO #	RA (hr)	RA (min)	Dec Deg	Dec Amin	Mag	Const	Sep
HD 218395	73010	23	7.5	32	49.5	6.1,7.5	Peg	Sep AB:8
HD 218453	73019	23	7.8	39	47.8	7.7,9.7	And	Sep AB:1.3
HD 218472	73021	23	7.9	31	27.6	7.3,11.1,11.6	Peg	Sep AB:19, Sep AC:49
HD 218741	73051	23	10.0	36	50.9	7.6,8.1	And	Sep AB:66
HD 218767 h5532	73054	23	10.3	32	29.2	7.4,,8.2	Peg	
HD 219127	73090	23	13.1	40	0.2	7.6,9.6	And	Sep AB:14
HD 220117	73190	23	20.9	38	11.0	5.8,9.2	And	Sep AB:121
HD 221189	73295	23	29.6	38	38.6	7.4,12.6	And	Sep AB:26
HD 221264	73306	23	30.4	30	49.9	7.4,8.7	Peg	Sep AB:19
HD 221776	73351	23	34.8	38	1.4	6.2,11.7	And	Sep AB:20
HD 222221	73398	23	38.6	35	2.0	7.1,9.6	And	Sep AB:15
HD 222399	73422	23	40.0	37	39.2	6.5,10.5	And	Sep AB:15
HD 222529	73436	23	41.3	32	33.7	7.2,12.3	Peg	Sep AB:23
HD 223331	73523	23	48.6	36	16.5	7,10.6	And	Sep AB:20
HD 223971	73597	23	54.1	39	16.9	6.6,11.3,9.1	And	Sep AB:93, Sep AC:102
HD 224492	73640	23	58.3	35	0.8	6.7,9.3	And	Sep AB:4
HD 224635	73656	23	59.5	33	43.5	5.8,6.6,12.9	And	Sep AB:1.8, Sep AC:81
HD 224656	73657	23	59.7	37	48.0	8,12.8	And	Sep AB:75
HD 224699	73664	0	0.0	38	51.6	6.6,11.4	And	Sep AB:7
HD 225276 Fox	73731	0	4.9	26	38.9	6.2,10.7	Peg	Sep AB:23
HD 358 H V 32; Alpheratz, "the horse's navel"	73765	0	8.4	29	5.6	2.1,11.3	And	Sep AB:86
HD 895	73823	0	13.4	26	59.3	6.2,8.3,9.1	Peg	Sep AB:.7, Sep AC:18
HD 1059	73839	0	14.9	21	32.6	7.4,10.5	Peg	Sep AB:1.6
HD 1429	73883	0	18.5	26	8.4	7.3,8.4	And	Sep AB:5
HD 2628 28 And; GN And	74041	0	30.1	29	45.1	5.3,11.4	And	Sep AB:139
HD 2925	74086	0	32.6	23	11.6	7,11.8,9.2	And	Sep AB:4, Sep AC:95
HD 2942	74090	0	32.8	28	16.8	6.3,11.3,12.3	And	Sep AB:9, Sep AC:60
HD 3690 55 Psc	74182	0	39.9	21	26.3	5.4,8.7	Psc	Sep AB:7
HD 3743	74185	0	40.3	24	3.2	7.2,9.6,11.1	And	Sep AB:16, Sep AC:44
HD 4758 65 Psc	74296	0	49.9	27	42.6	6.3,6.3	Psc	Sep AB:5
HD 5286 36 And; Fox	74359	0	55.0	23	37.7	6,6.7	And	Sep AB:.8
HD 5516 Fox	74388	0	57.2	23	25.1	4.4,11.5	And	Sep AB:133
HD 6456 Psi 1 Psc; 74 Psc	74482	1	5.7	21	28.4	5.3,5.6,11.2	Psc	Sep AB:30, Sep AC:94
HD 7229	74561	1	13.0	30	3.9	6.2,10,12	Psc	Sep AB:11, Sep AC:114
HD 7318 Phi Psc; 85 Psc	74571	1	13.7	24	35.0	4.7,10.1,13	Psc	Sep AB:8, Sep AC:144
HD 10308	74870	1	41.3	25	44.8	6.2,10.8,11	Psc	Sep AB:11, Sep AC:82
HD 11154 1 Ari	74966	1	50.1	22	16.5	5.8,7.4	Ari	Sep AB:3
HD 11671	75020	1	55.1	28	47.9	7.3,,8.7	Tri	
HD 11973 Lambda Ari; 9 Ari; H V 12	75051	1	57.9	23	35.8	4.8,7.3	Ari	Sep AB:38
HD 13174 14 Ari; H VI 69	75171	2	9.4	25	56.4	5.1,8.7,7.7	Ari	Sep AB:93, Sep AC:106
HD 13482	75199	2	12.2	23	57.6	7.7,9.7	Ari	Sep AB:1
HD 14082	75265	2	17.4	28	44.8	7,7.8	Tri	Sep AB:14
HD 14252 10 Tri	75276	2	18.9	28	38.6	5.3,11.3	Tri	Sep AB:14
HD 15524 UU Ari	75407	2	30.5	25	14.2	5.9,9.9	Ari	Sep AB:12
HD 16246 30 Ari	75471	2	37.0	24	38.9	6.6,7.4	Ari	Sep AB:38

Double	SAO #	RA (hr)	RA (min)	Dec Deg	Dec Amin	Mag	Const	Sep
HD 16628 33 Ari	75510	2	40.7	27	3.7	5.5,8.4	Ari	Sep AB:29
HD 16955	75539	2	43.8	25	38.3	6.4,11,12.1	Ari	Sep AB:3.2, Sep AC:50
HD 17007	75544	2	44.6	29	27.7	7.1,8	Ari	Sep AB:3
HD 17330 Bur 307	75576	2	47.6	29	40.7	7.1,11.6	Ari	Sep AB:15
HD 18143	75644	2	55.6	26	52.6	7.5,9.9	Ari	Sep AB:6
HD 18519 Epsilon Ari; 48 Ari	75673	2	59.2	21	20.4	4.6,5.5	Ari	Sep AB:1.5
HD 19134 52 Ari	75723	3	5.4	25	15.3	6.9,10.8	Ari	Sep AB:5
HD 19616	75764	3	10.1	21	44.8	7.4,8.6	Ari	Sep AB:.7
HD 20078	75806	3	14.3	22	57.2	6.8,10.4	Ari	Sep AB:47
HD 20655	75873	3	20.3	23	41.4	7.5,9.6	Ari	Sep AB:2
HD 21437	75940	3	28.0	20	27.9	7.1,8.1	Ari	Sep AB:7
HD 21467 66 Ari	75945	3	28.4	22	48.3	6.1,12.5	Ari	Sep AB:148
HD 21700	75964	3	31.1	27	43.9	7.4,7.9	Tau	Sep AB:44
HD 21743	75970	3	31.3	27	34.3	6.6,7	Tau	Sep AB:11
HD 22766	76071	3	40.6	28	46.4	6.9,8.1	Tau	Sep AB:7
HD 23075	76094	3	43.1	25	40.9	7.1,8.8	Tau	Sep AB:13
HD 23245	76122	3	44.6	27	53.9	6.8,6.9	Tau	Sep AB:127
HD 23338 19 Tau; Taygeta; the mother of Lacedaemon	76140	3	45.2	24	28.1	4.4,8.1	Tau	Sep AB:69
HD 23628	76194	3	47.4	24	35.4	8.9,11	Tau	Sep AB:7
HD 23631	76197	3	47.4	23	54.9	7.3,9.3	Tau	Sep AB:6
HD 23630 Eta Tau; 25 Tau; Alcyone; the mother of Hyrie	76199	3	47.5	24	6.3	3,8.1,8.1,8.7	Tau	Sep AB:117, Sep AC:181, Sep AD:191
HD 23873	76236	3	49.4	24	22.9	6.6,7.5	Tau	Sep AB:87
HD 23964	76251	3	50.0	23	51.0	6.7,9.8,9	Tau	Sep AB:3, Sep AC:10
HD 25201 H N 93	76388	4	0.9	23	12.1	6.5,6.9,9.4	Tau	Sep AB:7, Sep AC:58
HD 25296	76403	4	2.2	28	7.6	7.4,,10	Tau	
HD 25555 36 Tau	76425	4	4.4	24	6.4	5.7,12.2	Tau	Sep AB:26
HD 26128	76476	4	8.9	23	5.9	6.5,6.9	Tau	Sep AB:5
HD 27335	76552	4	19.7	23	44.3	7.6,9.8	Tau	Sep AB:10
HD 27638 Chi Tau; 59 Tau	76573	4	22.6	25	37.8	5.4,7.6	Tau	Sep AB:19
HD 27778 62 Tau	76591	4	24.0	24	18.1	6.2,8.6	Tau	Sep AB:30
HD 27934 Kappa 1 Tau; 65 Tau	76601	4	25.4	22	17.7	4.2,5.3,12.2,11.9	Tau	Sep AB:339, Sep AC:107, Sep AD:141
HD 28929	76654	4	34.6	28	57.7	5.9,10.3,11.7	Tau	Sep AB:25, Sep AC:50
HD 29364	76682	4	38.5	26	56.4	6.6,7.3	Tau	Sep AB:4
HD 29646	76707	4	41.3	28	36.9	5.7,10.6	Tau	Sep AB:44
HD 29763 Tau Tau; 94 Tau; OSS 54; Hough 642	76721	4	42.2	22	57.4	4.3,,7.1	Tau	
HD 31071	76814	4	53.7	23	33.3	7.5,10.1	Tau	Sep AB:5
HD 31592	76862	4	58.2	25	3.1	5.6,9.9	Tau	Sep AB:95
HD 31806	76880	4	59.9	27	19.5	7,9.1	Tau	Sep AB:21
HD 32092 A1844	76903	5	1.7	26	40.2	7,8.5	Tau	Sep AB:78
HD 32575	76952	5	5.2	23	47.9	7.2,11.9	Tau	Sep AB:13
HD 32991 105 Tau	76972	5	7.9	21	42.3	6.1,9.1	Tau	Sep AB:112
HD 32990 BC = H V 114; Edgecombe	76974	5	8.1	24	15.9	5.5,12,8.6	Tau	Sep AB:14, Sep AC:35
HD 33185	76989	5	9.7	29	47.9	6.7,8.5	Aur	Sep AB:69
HD 33204 Bur 1047	76990	5	9.7	28	1.9	6,8.6	Tau	Sep AB:12
HD 34335 CD Tau	77084	5	17.5	20	8.0	6.7,9.9	Tau	Sep AB:10

Double	SAO #	RA (hr)	RA (min)	Dec Deg	Dec Amin	Mag	Const	Sep
HD 34579	77098	5	19.2	20	8.1	6.1,10	Tau	Sep AB:9
HD 35708 114 Tau	77184	5	27.6	21	56.2	4.9,11,10.5,11.7	Tau	Sep AB:38, Sep AC:59, Sep AD:74
HD 35943 118 Tau; STF 719?	77201	5	29.3	25	9.1	5.8,6.6,11.6	Tau	Sep AB:5, Sep AC:141
HD 36044	77210	5	30.1	29	33.0	7.1,9.8,9.3	Aur	Sep AB:1, Sep AC:15
HD 37013	77313	5	36.4	21	59.7	7,7.8	Tau	Sep AB:3.8
HD 37098 Worley	77322	5	37.1	26	55.5	5.8,6.5	Tau	Sep AB:1
HD 37646	77393	5	41.3	29	29.3	6.4,7.2	Aur	Sep AB:26
HD 37800	77430	5	42.5	29	51.0	7.5,10.5	Aur	Sep AB:6
HD 38306 OS 116	77523	5	45.9	25	54.8	7.3,8.4,13.2,11.1	Tau	Sep AB:14, Sep AC:18, Sep AD:201
HD 38491	77555	5	47.4	29	39.6	8,9	Aql	Sep AB:1.5
HD 38584	77569	5	47.9	24	41.2	6.8,7.6	Tau	Sep AB:94
HD 38670	77578	5	48.4	20	52.2	6,8.3	Tau	Sep AB:75
HD 42454	78095	6	12.1	29	29.5	7.4,11.2	Aur	Sep AB:7
HD 42995 Eta Gem; 7 Gem; Propus	78135	6	14.9	22	30.4	3.3,8.8	Gem	Sep AB:1.6
HD 43261 Franks	78168	6	16.3	23	58.2	7,7.5	Aur	Sep AB:117
HD 43836 H V 55	78225	6	19.4	23	16.5	7.3,8.8,9.7	Gem	Sep AB:61, Sep AC:63
HD 43906	78231	6	19.8	25	0.8	7.5,9.8	Gem	Sep AB:21
HD 43885 Bur 895	78233	6	20.0	28	25.6	7.3,9.4	Aur	Sep AB:3
HD 44050	78251	6	20.6	25	11.3	7.1,8.9	Gem	Sep AB:58
HD 44171	78264	6	21.2	21	7.9	7.3,9.1,10.8	Gem	Sep AB:59, Sep AC:42
HD 44478 Mu Gem; 13 Gem; Tejat	78297	6	22.9	22	30.9	2.9,9.8	Gem	Sep AB:122
HD 45542 Nu Gem; 18 Gem; Bur 1192	78423	6	28.9	20	12.7	4.1,12.6,8.7	Gem	Sep AB:56, Sep AC:113
HD 47176	78572	6	38.3	24	27.1	6.8,11.9,9.3	Gem	Sep AB:13, Sep AC:47
HD 47256	78580	6	38.9	27	48.3	7.3,10.4	Gem	Sep AB:29
HD 47731 25 Gem	78636	6	41.3	28	11.8	6.4,11.6,10.3	Gem	Sep AB:31, Sep AC:56
HD 48329 Epsilon Gem; 27 Gem; Mebsuta	78682	6	43.9	25	7.9	3.1,9.6	Gem	Sep AB:112
HD 48640	78706	6	45.4	24	40.3	7,10.2	Gem	Sep AB:15
HD 50634	78858	6	54.9	21	34.3	7,11.1	Gem	Sep AB:20
HD 51127	78898	6	57.0	24	57.5	7.4,9,10.6	Gem	Sep AB:4, Sep AC:134
HD 53472	79054	7	6.2	24	51.6	6.9,10.3	Gem	Sep AB:13
HD 54371 Hough 519	79121	7	9.6	25	43.9	7.1,7.8,13	Gem	Sep AB:112, Sep AC:22
HD 55130 AC = OS 166	79170	7	12.8	27	13.6	6.5,7.2	Gem	Sep AB:1
HD 56152	79238	7	16.8	24	32.2	7.3,10.2	Gem	Sep AB:14
HD 56986 Delta Gem; 55 Gem; Wasat, "the middle"	79294	7	20.1	21	59.0	3.5,8.2	Gem	Sep AB:6
HD 58246	79375	7	25.6	20	29.7	7.2,8.3	Gem	Sep AB:6
HD 58712	79401	7	27.7	22	8.5	6.8,12.1,8.9	Gem	Sep AB:11, Sep AC:35
HD 58728 63 Gem	79403	7	27.7	21	26.8	5.2,9.4,10.4	Gem	Sep AB:43, Sep AC:146
HD 59878	79489	7	32.8	22	53.3	6.5,8.8	Gem	Sep AB:12
HD 62044 75 Gem	79638	7	43.3	28	53.2	4.2,10.8	Gem	Sep AB:182
HD 62345 Kappa Gem; 77 Gem	79653	7	44.4	24	23.9	3.6,8.1	Gem	Sep AB:7
HD 63138	79703	7	48.5	28	45.9	6.9,9.7	Gem	Sep AB:90
HD 64682 STF 1163	79803	7	56.0	24	39.9	7.7,10.7	Gem	Sep AB:19
HD 65757	79864	8	1.0	23	35.0	6.3,10.9	Cnc	Sep AB:2
HD 65856 H VI 75; Omega 2 Cnc	79869	8	1.7	25	5.4	6.2,11	Cnc	Sep AB:46
HD 66176	79893	8	3.3	26	16.1	7.1,8.2	Cnc	Sep AB:.8

Double	SAO #	RA (hr)	RA (min)	Dec Deg	Dec Amin	Mag	Const	Sep
HD 66216 22 Gem; Espin	79896	8	3.5	27	47.7	5,12,11	Gem	Sep AB:60, Sep AC:79
HD 66684	79928	8	5.6	27	31.8	6.2,7.5	Cnc	Sep AB:4
HD 67402 11 Cnc	79974	8	8.8	27	28.8	6.9,10.2	Cnc	Sep AB:3
HD 68542	80025	8	13.9	27	46.7	7.8,,11.8	Cnc	
HD 70826	80164	8	24.8	20	9.2	7.3,8.7	Cnc	Sep AB:38
HD 71093 Phi 1 Cnc; 22 Cnc	80181	8	26.5	27	53.7	5.6,10.5	Cnc	Sep AB:131
HD 71152 Upsilon 1 Cnc; 24 Cnc	80184	8	26.7	24	32.1	6.5,7.8	Cnc	Sep AB:6
HD 71150 Phi 2 Cnc; 23 Cnc	80187	8	26.8	26	56.1	6.3,6.3	Cnc	Sep AB:5
HD 74198 43 Cnc; Asella Borealis	80378	8	43.3	21	28.1	4.7,8.7	Cnc	Sep AB:113
HD 74739 Iota Cnc; 48 Cnc	80416	8	46.7	28	45.6	4,6.6	Cnc	Sep AB:31
HD 75646	80467	8	52.0	25	43.2	7.5,8.4,10.7	Cnc	Sep AB:45, Sep AC:34
HD 75732 Rho 1 Cnc; 53 Cnc; BO Cnc	80478	8	52.6	28	20.0	6,9.7	Cnc	Sep AB:46
HD 77190 67 Cnc	80585	9	1.8	27	54.2	6.1,8.9	Cnc	Sep AB:102
HD 78175 AC = Hussey 644	80643	9	7.4	22	58.9	6.8,7.3,12.6	Cnc	Sep AB:8, Sep AC:28
HD 78418	80659	9	8.8	26	38.1	6,9.1	Cnc	Sep AB:12
HD 81146 Kappa Leo; 1 Leo	80807	9	24.6	26	11.0	4.5,10.3,10.5	Leo	Sep AB:2, Sep AC:51
HD 82523	80900	9	33.3	28	22.1	6.5,10.4	Leo	Sep AB:31
HD 86133	81101	9	57.0	19	45.7	7.6,9.6	Leo	Sep AB:31
HD 88403	81225	10	12.0	20	7.1	7.4,12.4	Leo	Sep AB:24
HD 89025 Zeta Leo; 36 Leo; Adhafera	81265	10	16.7	23	25.0	2.4,6	Leo	Sep AB:333
HD 89125 39 Leo	81270	10	17.3	23	6.5	5.8,11.4	Leo	Sep AB:8
HD 89484 Gamma Leo; 41 Leo; Algeiba	81298	10	19.9	19	50.6	2,3.5,9.6,9.6	Leo	Sep AB:4, Sep AC:316, Sep AD:361
HD 90861	81381	10	29.9	28	34.9	6.9,8.1	LMi	Sep AB:131
HD 91192	81399	10	32.0	22	2.4	8.1,8.4	Leo	Sep AB:13
HD 91427	81415	10	33.8	23	21.0	7.3,9.1	Leo	Sep AB:4
HD 91527 Hussey 1338	81420	10	34.4	21	35.6	7.4,,9.5	Leo	
HD 92769 40 LMi	81485	10	43.0	26	19.6	5.6,12.6	LMi	Sep AB:18
HD 94601 54 Leo	81583	10	55.6	24	45.0	4.5,6.3	Leo	Sep AB:6
HD 97603 Delta Leo; 68 Leo; Zosma, "the girdle"	81727	11	14.1	20	31.5	2.6,10.9,10.9	Leo	Sep AB:95, Sep AC:201
HD 97799	81740	11	15.3	27	34.3	7.1,8	Leo	Sep AB:3.5
HD 100808	81893	11	36.3	27	46.9	5.8,10.1	Leo	Sep AB:21
HD 101980	81960	11	44.2	25	13.1	6,10.4	Leo	Sep AB:37
HD 102428	81994	11	47.5	20	2.0	7.4,9.9	Leo	Sep AB:74
HD 102509 93 Leo; DQ Leo	81998	11	48.0	20	13.1	4.5,9.6	Leo	Sep AB:74
HD 104827 Zeta Com; 2 Com	82123	12	4.3	21	27.6	6,7.4	Com	Sep AB:4
HD 106887	82219	12	17.5	28	56.2	5.7,9.8	Com	Sep AB:8
HD 107398	82253	12	20.7	27	3.3	6.3,7.1	Com	Sep AB:9
HD 107700 12 Com	82273	12	22.5	25	50.8	4.8,8.5	Com	
HD 108007	82293	12	24.4	25	35.0	6.4,7.8,11.4	Com	Sep AB:1.7, Sep AC:91
HD 108662 17 Com; Al Com; Bur 1080	82330	12	28.9	25	54.8	5.4,6.7	Com	Sep AB:145
HD 109996	82420	12	39.0	22	39.6	6.4,12.5	Com	Sep AB:33
HD 111842	82539	12	51.9	25	40.5	7.6,9.7	Com	Sep AB:29
HD 112033 35 Com	82550	12	53.3	21	14.7	5.1,7.2,9.1	Com	Sep AB:1, Sep AC:29
HD 113865	82648	13	6.2	29	1.8	6.5,12,15	Com	Sep AB:6
HD 114520	82692	13	10.9	21	14.1	6.8,10.7	Com	Sep AB:11

Double	SAO #	RA (hr)	RA (min)	Dec Deg	Dec Amin	Mag	Const	Sep
HD 114637	82699	13	11.5	21	55.1	6.8,10.4	Com	Sep AB:10
HD 115365	82751	13	16.5	19	47.1	6.5,8.2	Com	Sep AB:3
HD 116316	82809	13	22.6	26	6.9	7.6,12	Com	Sep AB:10
HD 117567 AC; AD = H V 70	82868	13	30.9	24	14.3	7.6,12.6,8	Com	Sep AB:19, Sep AC:73
HD 119055 1 Boo	82942	13	40.7	19	57.3	5.8,8.7	Boo	Sep AB:5
HD 120476	83011	13	49.1	26	58.8	7.1,8	Boo	Sep AB:3
HD 120651 6 Boo; OSS 126	83022	13	50.4	21	16.6	6.8,7.3	Boo	Sep AB:86
HD 122080	83108	13	59.1	25	49.0	7.1,8.5	Boo	Sep AB:5
HD 124346 OS 277	83219	14	12.4	28	43.0	7.8,9.3,11.8	Boo	Sep AB:14, Sep AC:73
HD 124587	83235	14	13.9	29	6.3	6.8,7.6	Boo	Sep AB:.8
HD 125040	83259	14	16.6	20	7.4	6.3,8.2	Boo	Sep AB:4
HD 127067	83374	14	28.5	28	17.4	7.1,7.6	Boo	Sep AB:26
HD 128167 28 Boo	83416	14	34.7	29	44.6	4.5,9.8,11.3	Boo	Sep AB:237, Sep AC:237
HD 129988 Epsilon Boo; 36 Boo; Mirak, "girdle", Izar	83500	14	45.0	27	4.4	2.4,5.1,12	Boo	Sep AB:3, Sep AC:177
HD 130603	83535	14	48.4	24	22.0	6.2,7.7	Boo	Sep AB:2
HD 130917	83551	14	50.0	28	37.0	5.8,10.6	Boo	Sep AB:111
HD 131265	83560	14	52.1	20	17.4	6.9,9.3	Boo	Sep AB:1.5
HD 134083	83671	15	7.3	24	52.3	5,10.8,9.9	Boo	Sep AB:107, Sep AC:244
HD 134335	83685	15	8.6	25	6.5	5.8,11.9	Boo	Sep AB:57
HD 136176	83756	15	18.3	26	50.4	6.6,7.4	CrB	Sep AB:1.4
HD 136512 1 CrB	83768	15	20.1	29	37.0	5.6,10.3	CrB	Sep AB:147
HD 136901 UV CrB	83795	15	22.4	25	37.5	7.2,11.6	Ser	Sep AB:41
HD 142796	84078	15	55.4	29	32.2	7.6,10.3	CrB	Sep AB:3
HD 143107 Epsilon CrB; 13 CrB	84098	15	57.6	26	52.7	4.1,11.5	CrB	Sep AB:101
HD 144999	84205	16	7.6	28	59.7	7.7,10.4	CrB	Sep AB:2
HD 145976	84247	16	12.7	26	40.3	6.5,10	CrB	Sep AB:2
HD 146168	84258	16	13.8	28	43.9	7.7,9.5	CrB	Sep AB:6
HD 146738 Upsilon CrB; 18 CrB	84281	16	16.7	29	9.0	5.8,11.7,12.7,11.7	CrB	Sep AB:54, Sep AC:87, Sep AD:123
HD 148492	84390	16	27.8	20	53.8	8.2,,11.7	Her	
HD 148554	84393	16	27.9	25	59.0	6.9,8.1	Her	Sep AB:1
HD 150340	84521	16	39.6	23	0.1	7.5,8.3	Her	Sep AB:17
HD 150554	84534	16	40.9	21	56.9	7.7,12.4	Her	Sep AB:12
HD 150781	84550	16	42.4	21	35.6	7.2,8.8	Her	Sep AB:6
HD 150933	84562	16	43.5	20	43.0	7.2,8.4	Her	Sep AB:99
HD 151070	84572	16	44.2	23	31.0	6.9,7.7,11	Her	Sep AB:1.3, Sep AC:25
HD 151237 46 Her	84577	16	45.1	28	21.5	7.3,9.3	Her	Sep AB:5
HD 152380	84655	16	51.8	28	40.0	6.6,8.2	Her	Sep AB:1.4
HD 152629	84674	16	53.8	21	10.3	7.3,11.4	Her	Sep AB:6
HD 152863 56 Her	84692	16	55.0	25	43.9	6.1,10.6	Her	Sep AB:18
HD 156652	84983	17	17.6	28	54.8	6.9,11	Her	Sep AB:6
HD 156776	84998	17	18.7	21	46.3	7.5,9.7	Her	Sep AB:52
HD 157198 70 Her	85021	17	20.9	24	30.0	5.1,8.6,11.8	Her	Sep AB:221, Sep AC:239
HD 158038	85078	17	25.7	27	18.2	7.5,9.7	Her	Sep AB:83
HD 158067	85080	17	26.0	26	52.7	6.4,12.6,11.9	Her	Sep AB:49, Sep AC:52
HD 158116	85089	17	26.2	29	27.3	7.6,10.3,9.5	Her	Sep AB:9, Sep AC:96

Double	SAO #	RA (hr)	RA (min)	Dec Deg	Dec Amin	Mag	Const	Sep
HD 159834	85232	17	36.0	20	59.8	6.1,9.3	Her	Sep AB:10
HD 160137	85261	17	37.5	20	35.8	7,11	Her	Sep AB:8
HD 160678	85301	17	40.1	29	14.3	7.7,10.4	Her	Sep AB:13
HD 160835	85310	17	41.1	24	30.8	6.1,9.2,9.2	Her	Sep AB:16, Sep AC:168
HD 161797 Mu Her; 86 Her; AD = AC 7	85397	17	46.5	27	43.9	3.4,10.1	Her	
HD 162485	85459	17	50.2	25	17.4	6.6,8.3	Her	Sep AB:6
HD 162950	85497	17	52.5	27	11.6	7.3,13.6	Her	Sep AB:33
HD 164669 95 Her	85648	18	1.5	21	35.7	5,5.1	Her	Sep AB:6
HD 166046 100 Her	85752	18	7.8	26	5.8	5.9,6,11	Her	Sep AB:15, Sep AC:80
HD 166182 AGC 8	85769	18	8.7	20	48.9	4.4,11.9	Her	Sep AB:23
HD 168795	85950	18	20.6	22	47.8	6.8,10.1	Her	Sep AB:5
HD 169414	86003	18	23.7	21	46.4	3.9,10.4	Her	Sep AB:222
HD 169490	86007	18	24.1	20	27.1	6.8,12.8	Her	Sep AB:39
HD 170111	86060	18	26.7	26	27.0	6.5,12.7,8.7	Her	Sep AB:6, Sep AC:62
HD 170314	86083	18	27.8	24	41.8	7,8.9	Her	Sep AB:1.3
HD 170619	86109	18	29.2	29	33.2	7.2,12.6	Lyr	Sep AB:14
HD 170669	86117	18	29.5	29	55.5	8.9,9.3	Lyr	Sep AB:4
HD 171948	86239	18	36.6	22	6.5	6.8,11.7	Her	Sep AB:20
HD 173667 110 Her	86406	18	45.7	20	33.1	4.2,12.9,10.9	Her	Sep AB:48, Sep AC:70
HD 174261	86458	18	48.9	21	10.0	7.1,8.7	Her	Sep AB:4, Sep AC:79
HD 174549	86481	18	49.9	26	25.5	7.1,10.9	Lyr	Sep AB:5
HD 174586	86484	18	50.1	29	48.9	7.6,11.7	Lyr	Sep AB:12
HD 175427	86563	18	54.5	20	36.9	6.9,8.9	Her	Sep AB:1.9
HD 175492 113 Her	86567	18	54.7	22	38.7	4.5,11,11	Her	Sep AB:35, Sep AC:38
HD 177648	86774	19	4.6	23	19.8	7.2,8.8,8.9	Vul	Sep AB:12, Sep AC:143
HD 178211	86821	19	6.9	22	10.4	7.2,8.5,11.4	Vul	Sep AB:7, Sep AC:94
HD 178277	86828	19	7.1	22	35.0	7.4,8.9	Vul	Sep AB:10
HD 179485	86914	19	11.5	29	53.4	7.5,11.6	Lyr	Sep AB:34
HD 179461	86917	19	11.7	26	15.0	7.8,10.8	Lyr	Sep AB:15
HD 180553	87005	19	15.9	27	27.3	6.5,7.1,8.6	Lyr	Sep AB:1, Sep AC:47
HD 180554 1 Vul	87010	19	16.2	21	23.4	4.6,11.6,12.8	Vul	Sep AB:39, Sep AC:44
HD 181602	87082	19	20.1	26	38.7	7.4,7.4	Vul	Sep AB:58
HD 181963	87111	19	21.5	25	36.2	7.3,12	Vul	Sep AB:14
HD 182807	87190	19	25.4	24	55.3	6.2,10.6,10.6,12.5	Vul	Sep AB:40, Sep AC:68, Sep AD:88
HD 183014	87218	19	26.8	21	9.8	7.4,8.5,9	Vul	Sep AB:6, Sep AC:251
HD 183439 Alpha Vul; 6 Vul	87261	19	28.7	24	40.0	4.6,5.8	Vul	Sep AB:14
HD 183912 Beta Cyg; 6 Cyg; Albireo	87301	19	30.7	27	57.6	3.1,5.1	Cyg	Sep AB:35
HD 184360	87342	19	33.3	20	24.8	7.3,8.8,12.5	Vul	Sep AB:5, Sep AC:147
HD 185756 Bur 54	87522	19	39.6	29	44.9	7.5,10,11.1	Cyg	Sep AB:11, Sep AC:22
HD 187343	87748	19	48.6	24	57.7	7.4,10.4	Vul	Sep AB:4
HD 188211	87874	19	53.4	20	20.2	7.2,7.2	Vul	Sep AB:42
HD 189638	88043	20	0.1	25	57.0	7.4,9.9	Vul	Sep AB:33
HD 190004 16 Vul	88098	20	2.0	24	56.2	5.8,6.2	Vul	Sep AB:.8
HD 192144	88353	20	12.5	25	39.1	7.4,9.1	Vul	Sep AB:123
HD 192519	88394	20	14.5	24	50.7	7.5,11.5	Vul	Sep AB:15

Double	SAO #	RA (hr)	RA (min)	Dec Deg	Dec Amin	Mag	Const	Sep
HD 192685	88410	20	15.3	25	35.5	4.8,9.7	Vul	Sep AB:116
HD 193094	88473	20	17.5	29	8.8	6.2,10.7	Cyg	Sep AB:6
HD 193220 h1499	88490	20	18.3	25	38.9	7,,9.9	Vul	
HD 194033	88597	20	22.5	26	17.9	7,10.9,9.9	Vul	Sep AB:22, Sep AC:52
HD 194358	88629	20	24.1	29	0.1	7.2,11.2,11.7	Vul	Sep AB:14, Sep AC:35
HD 195479	88783	20	30.9	20	36.3	6,10	Del	Sep AB:52
HD 197228	89019	20	41.8	20	42.9	7.4,11.9,8	Vul	Sep AB:4, Sep AC:105
HD 197515	89051	20	43.4	25	36.1	7.1,11.2	Vul	Sep AB:128
HD 198977	89240	20	53.1	29	8.7	7.6,8.8,10.5	Vul	Sep AB:1, Sep AC:31
HD 199375	89297	20	56.0	27	34.5	6.7,12.5,12.9	Vul	Sep AB:13, Sep AC:36
HD 200392 Hough 599	89397	21	2.6	21	41.5	8.3,9.1,7.7	Vul	Sep AB:.6, Sep AC:78
HD 201671	89505	21	10.5	22	27.3	6.7,7.7	Vul	Sep AB:18
HD 203803	89678	21	24.0	24	16.4	5.7,12.3	Vul	Sep AB:54
HD 204585	89737	21	29.0	22	10.8	5.8,8.7,10.2	Peg	Sep AB:41, Sep AC:41
HD 204724 2 Peg	89752	21	29.9	23	38.3	4.6,11.6	Peg	Sep AB:30
HD 206827 Mu 2 Cyg; 78 Cyg	89939	21	44.1	28	44.8	4.5,6.1,11.5,6.9	Cyg	Sep AB:2, Sep AC:50, Sep AD:11
HD 207147	89978	21	46.5	22	10.5	7.1,9.1	Peg	Sep AB:42
HD 211139	90348	22	14.6	29	34.4	7.1,8.1	Peg	Sep AB:1.5
HD 211153	90349	22	14.8	22	31.4	6.6,11.2	Peg	Sep AB:23
HD 212097 32 Peg	90440	22	21.3	28	19.8	4.8,9.1,11.8,11.8	Peg	Sep AB:73, Sep AC:42, Sep AD:60
HD 212395 33 Peg	90462	22	23.6	20	50.9	6.2,,8.9	Peg	
HD 215182 Eta Peg; 44 Peg; Matar, "the fortunate rain"	90734	22	43.0	30	13.3	2.9,9.5	Peg	Sep AB:93
HD 216285	90833	22	51.4	26	23.5	6.9,,9.2	Peg	
HD 217906 Beta Peg; 53 Peg; Scheat, "the upper arm"	90981	23	3.8	28	4.9	2.4,11.4,9.4	Peg	Sep AB:121, Sep AC:242
HD 218381	91021	23	7.4	20	34.9	6.7,10.4	Peg	Sep AB:14
HD 218806	91061	23	10.7	26	31.4	7.2,10.8	Peg	Sep AB:58
HD 218935	91080	23	11.8	26	50.9	6.4,11.3,9.7	Peg	Sep AB:83, Sep AC:232
HD 219111	91098	23	13.3	22	5.1	8.2,8.5	Peg	Sep AB:2
HD 219291	91111	23	14.3	29	46.3	6.4,10.8	Peg	Sep AB:35
HD 220334	91222	23	22.8	20	33.5	6.6,9.6,8.9	Peg	Sep AB:6, Sep AC:88
HD 222610	91425	23	42.0	20	17.8	7.6,8.7	Peg	Sep AB:1.4
HD 223138	91482	23	46.9	28	25.2	7.5,10.1	Peg	Sep AB:33
HD 224083	91574	23	54.9	29	28.5	6.8,8.3	Peg	Sep AB:112
HD 224930 85 Peg	91669	0	2.1	27	5.7	5.8,8.6	Peg	Sep AB:.7
HD 225161	91683	0	4.0	12	8.8	7.2,11.4,12.6	Peg	Sep AB:6, Sep AC:123
HD 560 34 Psc	91750	0	10.0	11	8.7	5.5,9.4	Psc	Sep AB:8
HD 886 88 Peg; Algenib, "the wing or side"	91781	0	13.2	15	11.0	2.8,11.8	Peg	Sep AB:163
HD 2358	91903	0	27.5	16	1.5	6.4,10.2,9.6	Psc	Sep AB:103, Sep AC:276
HD 6397 72 Psc	92230	1	5.1	14	56.7	5.7,12.7	Psc	Sep AB:55
HD 9656 100 Psc	92521	1	34.9	12	33.5	7.3,,8.4,13	Psc	
HD 11386	92669	1	52.0	10	48.7	7.4,8.5	Ari	Sep AB:3
HD 11502 Gamma Ari; 5 Ari; (AC = Bur 512); Mesarthim	92680	1	53.5	19	17.8	4.8,4.8,9.6	Ari	Sep AB:7, Sep AC:221
HD 15165	92952	2	26.8	10	33.9	6.7,8.3,11.3	Ari	Sep AB:74, Sep AC:62
HD 16694	93052	2	41.1	18	48.0	7.5,8,9.3	Ari	Sep AB:3, Sep AC:65
HD 16811 Mu Ari; 34 Ari	93062	2	42.4	20	0.7	5.7,12.2	Ari	Sep AB:19

Double	SAO #	RA (hr)	RA (min)	Dec Deg	Dec Amin	Mag	Const	Sep
HD 17332	93105	2	47.4	19	22.5	6.9,8.2,12.6	Ari	Sep AB:4, Sep AC:89
HD 17543 Pi Ari; 42 Ari	93127	2	49.3	17	27.9	5.3,8.7,10.8	Ari	Sep AB:3, Sep AC:25
HD 18654	93229	3	0.5	18	0.3	6.7,11.9	Ari	Sep AB:2
HD 21524 4 Tau	93448	3	28.6	11	23.5	6.8,12.8	Tau	Sep AB:25
HD 22695	93536	3	39.4	16	32.2	6.2,13.2	Tau	Sep AB:37
HD 23793 30 Tau	93611	3	48.3	11	8.6	5.1,10.2	Tau	Sep AB:9
HD 26015	93775	4	7.7	15	9.8	6,8.8	Tau	Sep AB:4
HD 26038	93777	4	8.0	17	20.4	6.2,9.1	Tau	Sep AB:4
HD 27762	93899	4	23.3	11	22.7	6.6,8.6	Tau	Sep AB:1.2
HD 27962 68 Tau; Kuiper 17; AC = H VI 101; V776 Tau	93923	4	25.5	17	55.7	4.2,7.5,8.7	Tau	Sep AB:1.4, Sep AC:77
HD 28150	93942	4	27.1	18	12.5	6.9,8.7	Tau	Sep AB:19
HD 28319 Theta 2 Tau; 78 Tau	93957	4	28.6	15	52.3	3.4,3.8	Tau	Sep AB:337
HD 28406	93963	4	29.5	17	51.8	7.5,9.1	Tau	Sep AB:109
HD 28485 80 Tau	93970	4	30.1	15	38.3	5.7,8	Tau	Sep AB:1.6
HD 28527	93975	4	30.5	16	11.7	4.8,6.7	Tau	Sep AB:250
HD 28867	94002	4	33.5	18	1.0	6.2,7	Tau	Sep AB:3
HD 29140 88 Tau; d Tau	94026	4	35.6	10	9.7	4.3,8.4	Tau	Sep AB:69
HD 29139 Alpha Tau; 87 Tau; Aldebaran, "the follower"	94027	4	35.9	16	30.7	0.9,13.3	Tau	Sep AB:31
HD 29488 Sigma 2 Tau; 92 Tau	94054	4	39.3	15	55.1	4.7,5.2	Tau	Sep AB:434
HD 29836	94078	4	42.8	18	43.3	7.5,9.9	Tau	Sep AB:100
HD 30605 96 Tau; Bur 551	94151	4	49.7	15	54.3	6.1,11.1	Tau	Sep AB:29
HD 30780 V480 Tau	94164	4	51.4	18	50.4	5.1,10.4	Tau	Sep AB:176
HD 31295 7 Ori	94201	4	54.9	10	9.2	4.6,12.7,8.9	Ori	Sep AB:33, Sep AC:172
HD 31421 Omicron 2 Ori; 9 Ori	94218	4	56.4	13	30.9	4.1,11.3,11.6	Ori	Sep AB:32, Sep AC:100
HD 31764 OSS 58z	94240	4	59.0	14	32.6	6.1,7.6,9.6,10.4	Ori	Sep AB:39, Sep AC:54
HD 32202	94274	5	1.8	11	22.5	7.2,10.1	Ori	Sep AB:32
HD 32642	94306	5	5.5	19	48.4	6.5,7.5	Tau	Sep AB:1
HD 34251	94431	5	16.7	18	26.4	7.2,8.2	Tau	Sep AB:2.8
HD 34926	94488	5	21.7	18	54.4	7.7,10.1	Tau	Sep AB:36
HD 35173	94512	5	23.5	16	2.4	7.3,8.3	Ori	Sep AB:26
HD 35296 111 Tau	94526	5	24.4	17	23.0	5,8.8	Tau	Sep AB:86
HD 35671 115 Tauz	94554	5	27.2	17	57.7	5.4,10.2,11.9	Tau	Sep AB:10, Sep AC:10
HD 36408	94630	5	32.2	17	3.5	6,6.5	Tau	Sep AB:10
HD 36881	94671	5	35.2	10	14.4	5.6,9.8	Ori	Sep AB:2.9
HD 37560	94737	5	39.9	13	1.4	7.1,10.4	Ori	Sep AB:10
HD 37603	94746	5	40.3	15	21.0	7,8.3	Ori	Sep AB:10
HD 38182	94816	5	44.5	15	3.8	7.1,,11	Tau	
HD 38622 133 Tau	94864	5	47.7	13	54.0	5.2,,11.5	Tau	
HD 38672 A. G.	94868	5	48.0	12	25.1	6.6,9.2,12	Ori	Sep AB:77, Sep AC:28
HD 38899	94888	5	49.5	12	39.1	4.9,10.3	Tau	Sep AB:19
HD 39662	94979	5	54.5	11	45.8	6.6,10.9	Ori	Sep AB:23
HD 39729	94990	5	54.9	14	13.2	6.6,11.8,11.3	Ori	Sep AB:8, Sep AC:50
HD 41580	95234	6	6.5	10	45.0	7.2,9.7	Ori	Sep AB:22
HD 42233	95321	6	10.3	15	54.4	7.4,10.3	Ori	Sep AB:55
HD 42476	95354	6	11.6	17	22.7	7.5,9.1	Ori	Sep AB:2

Double	SAO #	RA (hr)	RA (min)	Dec Deg	Dec Amin	Mag	Const	Sep
HD 42509 H VI 72	95359	6	12.0	19	47.4	5.8,9.3	Ori	Sep AB:88
HD 42955	95417	6	14.3	14	29.6	7.3,8	Ori	Sep AB:170
HD 43044	95431	6	14.7	14	35.2	7,7.3	Ori	Sep AB:6
HD 43042 71 Ori	95432	6	14.8	19	9.5	5.2,11.2,10.5,10	Ori	Sep AB:25, Sep AC:76, Sep AD:86
HD 43931	95534	6	19.4	13	26.1	6.9,7.7	Ori	Sep AB:73
HD 43983	95540	6	19.7	12	17.6	7.7,11.2	Ori	Sep AB:22
HD 44496	95602	6	22.8	17	34.5	6.9,8.3	Gem	Sep AB:2.4
HD 44944	95649	6	25.0	10	31.0	7.8,10.1	Ori	Sep AB:20
HD 45180	95684	6	26.6	15	31.4	6.9,9.4	Gem	Sep AB:3
HD 45995	95766	6	31.2	11	15.1	6.2,9.1	Mon	Sep AB:15
HD 46136 20 Gem	95795	6	32.3	17	47.0	6.3,6.9	Gem	Sep AB:21
HD 46495	95847	6	34.3	14	45.1	7.6,8.3	Gem	Sep AB:2
HD 46825	95892	6	36.1	13	41.6	7.2,,9.2	Gem	
HD 47127	95907	6	37.6	12	11.1	6.8,9.2,8	Gem	Sep AB:55, Sep AC:141
HD 47105 24 Gem; H V 71; Alhena	95912	6	37.7	16	24.0	1.9,11.2,10.9	Gem	Sep AB:136, Sep AC:144
HD 48433 30 Gem	96051	6	44.0	13	13.7	4.5,11	Gem	Sep AB:27
HD 50635 38 Gem	96265	6	54.6	13	10.7	4.7,7.7,10.3	Gem	Sep AB:7, Sep AC:112
HD 51502	96325	6	58.1	14	13.7	7.3,7.4,8.3	Gem	Sep AB:124, Sep AC:79
HD 51911 A2461	96359	6	59.8	15	56.5	7.1,,10	Gem	
HD 52155 Bur 99	96372	7	0.6	12	43.4	7.4,11.8,11.5,7.7	Gem	Sep AB:15, Sep AC:22, Sep AD:68
HD 54244	96547	7	8.8	16	54.5	7.7,8.4	Gem	Sep AB:7
HD 55383 AB = H VI 74; BQ Gem	96638	7	13.4	16	9.6	5.3,10.5,10.5	Gem	Sep AB:149, Sep AC:221
HD 56537 Lambda Gem; 54 Gem	96746	7	18.1	16	32.5	3.6,10.7	Gem	Sep AB:10
HD 57290	96803	7	21.0	10	11.7	7.8,9.8	CMi	Sep AB:9
HD 58338	96888	7	25.9	18	8.8	6.9,11.7	Gem	Sep AB:13
HD 58383	96892	7	26.0	14	6.2	7.4,9.6	Gem	Sep AB:11
HD 58453	96897	7	26.4	18	31.0	7.3,8.1	Gem	Sep AB:61
HD 58729	96914	7	27.4	15	19.0	7.2,8.4	Gem	Sep AB:3
HD 59150	96938	7	29.2	14	21.5	7.2,8.2	Gem	Sep AB:56
HD 60355	97033	7	34.5	12	18.3	7.3,8.6	Gem	Sep AB:2
HD 62407	97199	7	44.2	12	51.6	6.4,10.9	CMi	Sep AB:12
HD 63210	97260	7	48.4	18	20.2	6.4,9.6	Gem	Sep AB:6
HD 64330	97348	7	54.0	16	2.2	7.2,11.1	Gem	Sep AB:16
HD 65557	97450	7	59.7	13	41.3	8.4,8.5	Cnc	Sep AB:2
HD 65857	97483	8	1.4	16	57.0	7.2,10.1	Cnc	Sep AB:10
HD 68255 Zeta Cnc; 16 Cnc; Tegmeni, "in the shell"	97646	8	12.2	17	39.0	4.7,6,6.2,9.7	Cnc	Sep AB:.8, Sep AC:6, Sep AD:288
HD 68615	97662	8	13.6	10	50.9	7.2,9.5	Cnc	Sep AB:3
HD 69072	97684	8	16.0	18	41.6	7.5,10.5	Cnc	Sep AB:4
HD 72094 Theta Cnc; 31 Cnc	97881	8	31.6	18	5.7	5.3,10	Cnc	Sep AB:63
HD 72965	97952	8	36.2	13	46.6	7.4,8.1	Cnc	Sep AB:44
HD 73618 Bur 584	98013	8	39.9	19	33.2	7.3,7.5,6.6	Cnc	Sep AB:45, Sep AC:93
HD 73710 CD = South 572	98021	8	40.4	19	40.2	6.4,9.8,8.6,8.9	Cnc	Sep AB:20, Sep AC:63, Sep AD:83
HD 73731 Epsilon Cnc; 41 Cnc	98024	8	40.4	19	32.7	6.3,7.4	Cnc	Sep AB:135
HD 75035	98133	8	48.1	17	23.7	7.2,12.6	Cnc	Sep AB:42
HD 75355	98148	8	49.9	14	50.0	7.7,8.6	Cnc	Sep AB:16

Double	SAO #	RA (hr)	RA (min)	Dec Deg	Dec Amin	Mag	Const	Sep
HD 76756 Alpha Cnc; 65 Cnc; Acubens, "the claws"	98267	8	58.5	11	51.5	4.3,11.8	Cnc	Sep AB:11
HD 79096 81 Cnc; Finsen 347	98427	9	12.3	14	59.6	6.5,7.5	Cnc	Sep AB:222
HD 79127	98430	9	12.7	16	31.5	7.8,8.6	Cnc	Sep AB:1.8
HD 82159	98615	9	30.6	10	36.1	8.7,8.7,12.3,11.2	Leo	Sep AB:14, Sep AC:85, Sep AD:158
HD 82906	98654	9	35.2	14	4.5	7.9,9.1	Leo	Sep AB:48
HD 83023 H V 58	98662	9	35.9	14	22.8	6.2,10	Leo	Sep AB:42
HD 83452	98690	9	38.8	10	46.7	6.7,11.3	Leo	Sep AB:8
HD 83808 Omicron Leo; 14 Leo; H VI 76	98709	9	41.1	9	53.6	3.5,9.9	Leo	Sep AB:94
HD 84194 16 Leo	98733	9	43.7	14	1.3	5.4,10.9	Leo	Sep AB:282
HD 87901 Alpha Leo; 32 Leo; Regulus, "little king"	98967	10	8.4	11	58.0	1.4,7.7,8.5	Leo	Sep AB:175, Sep AC:81
HD 88987	99032	10	16.3	17	44.4	6.6,7.5	Leo	Sep AB:1.4
HD 90569 45 Leo; CX Leo	99136	10	27.6	9	45.8	6,11	Leo	Sep AB:37
HD 91785	99198	10	36.1	11	36.9	7.9,9.3	Leo	Sep AB:56
HD 93363	99287	10	47.0	13	1.8	8.4,9.4	Leo	Sep AB:42
HD 96003	99428	11	4.5	12	40.0	6.9,12.4	Leo	Sep AB:61
HD 98354	99551	11	19.0	14	16.2	6.6,8.1	Leo	Sep AB:.9
HD 99028 Iota Leo; 78 Leo	99587	11	23.9	10	31.8	4,6.7	Leo	Sep AB:1.7
HD 99285 81 Leo	99601	11	25.6	16	27.4	5.6,9.2	Leo	Sep AB:56
HD 100180 88 Leo	99648	11	31.8	14	22.0	6.4,8.4	Leo	Sep AB:8
HD 100600 90 Leo	99673	11	34.7	16	47.8	6,7.3,8.7	Leo	Sep AB:3, Sep AC:63
HD 102910 See	99827	11	50.9	12	16.7	6.4,11.2	Leo	Sep AB:15
HD 103152	99840	11	52.8	15	26.2	6.8,10.1,11.5	Leo	Sep AB:39, Sep AC:91
HD 107288	100048	12	20.1	13	51.3	6.9,10.8	Com	Sep AB:3
HD 109510 24 Com	100159	12	35.1	18	22.6	5.2,6.7	Com	Sep AB:20
24 Com	100160	12	35.1	18	22.6	5.2	Com	20
HD 110377 GG Vir; H VI 81	100207	12	41.6	10	25.6	6.3,10.1	Vir	Sep AB:86
HD 110412	100210	12	41.8	9	53.2	7,10.7	Vir	Sep AB:120
HD 111164	100260	12	47.2	11	57.5	6.1,9.3	Vir	Sep AB:139
HD 111844 Sh 123	100307	12	51.9	19	10.3	7.3,7.8	Com	Sep AB:247
HD 111862 32 Com	100309	12	52.2	17	4.4	6.3,6.9,8.9	Com	Sep AB:197, Sep AC:97
HD 112278	100337	12	55.5	11	29.8	6.9,9.4	Vir	Sep AB:29
HD 113022	100366	13	0.7	18	22.3	6.1,9.5	Com	Sep AB:150
HD 113226 47 Vir; Vindemiatrix, "the grape harvester"	100384	13	2.2	10	57.5	2.9,13	Vir	Sep AB:249
HD 114378 Alpha Com; 42 Com; Diadem	100443	13	10.0	17	31.7	5.1,10.1	Com	Sep AB:90
HD 115046	100473	13	14.5	11	19.9	5.6,12	Vir	Sep AB:49
HD 115942	100516	13	20.1	15	33.9	7.3,9.9	Com	Sep AB:36
HD 117176	100582	13	28.4	13	47.2	5.2,8.8	Vir	Sep AB:86
HD 118266	100630	13	35.5	10	12.3	6.5,8.9	Vir	Sep AB:70
HD 118889 Bur 612 (Aa)	100654	13	39.6	10	44.8	5.5,11	Boo	Sep AB:125
HD 119823	100688	13	45.1	18	22.0	7.9,9.9	Boo	Sep AB:30
HD 120136 Tau Boo; 4 Boo	100706	13	47.3	17	27.4	4.5,11.5	Boo	Sep AB:5
HD 121370 Eta Boo; 8 Boo; Muphrid	100766	13	54.7	18	24.2	2.7,8.8	Boo	Sep AB:111
HD 124517	100922	14	13.8	11	59.9	6.6,8.9	Boo	Sep AB:2
HD 124679 15 Boo	100934	14	14.8	10	6.2	5.4,8	Boo	Sep AB:1
HD 125451	100975	14	19.3	13	0.3	5.3,10.2	Boo	Sep AB:156

Double	SAO #	RA (hr)	RA (min)	Dec Deg	Dec Amin	Mag	Const	Sep
HD 126246 H III 20??	101009	14	24.1	11	14.8	6.8,7.5	Boo	Sep AB:9
HD 129174 Pi 1 Boo; 29 Boo	101138	14	40.7	16	25.1	4.9,5.55,10	Boo	Sep AB:6, Sep AC:128
HD 129246 Zeta Boo; 30 Boo; AC = H IV 104	101145	14	41.1	13	43.7	3.8,4.6,10.9	Boo	Sep AB:1, Sep AC:103
Xi Boo	101250	14	51.4	19	6.1	4.6	Boo	7
HD 131473	101273	14	53.4	15	42.3	6.4,7.5	Boo	Sep AB:1.3
HD 135101	101437	15	12.8	19	16.9	6.7,7.7	Ser	Sep AB:24
HD 136160	101480	15	18.7	10	25.7	7.1,8,12	Ser	Sep AB:13, Sep AC:162
HD 138917 Delta Ser; 13 Ser	101623	15	34.8	10	32.3	3.8,5.2	Ser	Sep AB:4
HD 139862	101673	15	40.2	12	3.2	6.2,10	Ser	Sep AB:15
HD 141003 Beta Ser	101725	15	46.2	15	25.3	3.7,9.9,10.7	Ser	Sep AB:30, Sep AC:201
HD 142267	101792	15	53.2	13	12.3	6.2,11.8	Ser	Sep AB:98
HD 142910	101829	15	56.8	12	28.7	6.9,8.1	Ser	Sep AB:3
HD 143597	101874	16	0.9	13	16.3	7.1,8	Ser	Sep AB:1
HD 144064	101898	16	3.7	11	26.0	7.1,11.3	Ser	Sep AB:14
HD 145958 49 Ser	102018	16	13.3	13	32.0	7.4,7.5,10.5	Ser	Sep AB:4, Sep AC:236
HD 147735	102116	16	23.1	13	50.4	8,10	Her	Sep AB:7
HD 148653	102200	16	28.9	18	24.5	7,7.8,11.1	Her	Sep AB:1.7, Sep AC:143
HD 148683	102204	16	29.4	10	35.5	7.6,9.6	Her	Sep AB:14
HD 149632	102259	16	35.4	17	3.4	6.4,7.3	Her	Sep AB:154
HD 150048	102279	16	37.7	19	33.4	7.7,11.5	Her	Sep AB:28
HD 151862	102410	16	49.6	13	15.7	5.9,9.6	Her	Sep AB:5
HD 153064	102488	16	56.7	14	8.4	6.8,9.6	Her	Sep AB:3
HD 153882 H IV 122; V451 Her	102536	17	1.5	14	57.0	6.3,10.2	Her	Sep AB:19
HD 154228	102564	17	3.6	13	36.3	5.9,6.1	Her	Sep AB:299
HD 154301	102571	17	3.9	19	41.4	6.4,11.3,10.9	Her	Sep AB:1.6, Sep AC:108
HD 154494 H V 133	102584	17	5.4	12	44.5	4.9,10.9	Her	Sep AB:59
HD 156014 Alpha Her; 64 Her; Ras Algethi	102680	17	14.6	14	23.4	3.5,5.4	Her	
HD 159466 54 Oph	102925	17	34.4	13	9.7	6.7,11.6	Oph	Sep AB:22
HD 162734	103161	17	52.0	15	19.5	6.4,7.1,12.9,9.9	Her	Sep AB:1, Sep AC:28, Sep AD:95
HD 163640	103227	17	56.4	18	19.6	6.7,7.4	Her	Sep AB:3
HD 165475	103373	18	5.7	12	0.2	6.5,7.4,12	Oph	Sep AB:7, Sep AC:61
HD 165910	103406	18	7.8	13	4.3	6.6,10.3	Oph	Sep AB:42
HD 166479	103443	18	10.1	16	28.6	6.1,10.1	Her	Sep AB:1.2
HD 171365	103853	18	33.7	17	43.9	7.1,,8	Her	
HD 171746	103886	18	35.9	16	58.6	6.2,7.2	Her	Sep AB:1.6, Sep AC:201
HD 172228	103942	18	38.6	15	5.0	6.8,11.1	Her	Sep AB:39
HD 173983	104109	18	47.9	11	9.8	7.5,9.3	Aql	Sep AB:106
HD 174569	104170	18	50.8	10	58.6	6.4,8.1	Aql	Sep AB:4
HD 174897	104203	18	52.3	14	32.1	6.6,9.4	Her	Sep AB:14
HD 176155 FF Aql	104296	18	58.2	17	21.7	5.3,11.1	Aql	Sep AB:7
HD 176411 13 Aql	104318	18	59.6	15	4.2	4,10.5,10.2	Aql	Sep AB:131, Sep AC:149
HD 176486	104332	18	60.0	12	53.4	7.3,9.1	Aql	Sep AB:17
HD 176873	104379	19	1.8	12	32.5	6.8,9.2	Aql	Sep AB:15
HD 176973	104384	19	1.9	19	7.5	6.9,12.3,9.2	Vul	Sep AB:15, Sep AC:44
HD 177724 Zeta Aql; 17 Aql; Deneb el Okab	104461	19	5.4	13	51.9	3,11.8	Aql	Sep AB:159

Double	SAO #	RA (hr)	RA (min)	Dec Deg	Dec Amin	Mag	Const	Sep
HD 179588 Bur 139	104602	19	12.6	16	50.8	6.7,7.9,7.9,10.2	Aql	Sep AB:.7, Sep AC:121, Sep AD:128
HD 180262	104655	19	15.3	15	5.0	5.6,7.7	Aql	Sep AB:89
HD 180555	104668	19	16.4	14	32.7	5.6,8.6	Aql	Sep AB:8
HD 181333 28 Aql; V1208 Aql; OSS 179	104722	19	19.6	12	22.5	5.5,9	Aql	Sep AB:59
HD 181752	104753	19	21.0	19	8.7	6.8,8.7	Sge	Sep AB:9
HD 182490 2 Sge	104797	19	24.4	16	56.3	6.3,7.1,7.1,6.3	Sge	Sep AB:339, Sep AC:131, Sep AD:106
HD 182572	104807	19	24.9	11	56.1	5.2,8.7,10.6	Aql	Sep AB:106, Sep AC:114
HD 182762 4 Vul	104818	19	25.5	19	48.0	5.2,9.9,11.6	Vul	Sep AB:19, Sep AC:53
HD 184606 9 Vul	104990	19	34.6	19	46.4	4.9,12.5	Vul	Sep AB:108
HD 184962	105038	19	36.4	15	53.5	7.1,11.7	Aql	Sep AB:39
HD 185354	105081	19	38.1	17	14.6	6.9,12	Sge	Sep AB:38
HD 185622	105104	19	39.4	16	34.3	6.4,9.4	Sge	Sep AB:28
HD 186203 Chi Aq; AC = Jonckheere 1858; Holmes 26	105168	19	42.6	11	49.6	5.3,12.3,10.3	Aql	Sep AB:82, Sep AC:140
HD 186455	105193	19	44.1	12	22.4	7.9,9.6	Aql	Sep AB:18
HD 186587	105207	19	44.9	10	46.5	7.5,9.5	Aql	Sep AB:4
HD 186791 50 Aql; Tarazed	105223	19	46.2	10	36.8	2.7,10.8	Aql	Sep AB:133
HD 187259 Pi Aql; 52 Aql	105282	19	48.7	11	49.0	5.8,6.9,12.2	Aql	Sep AB:1.4, Sep AC:34
HD 187362 Zeta Sge; 8 Sge; AGC 11	105298	19	49.0	19	8.5	5.4,6.2,8.7,11	Sge	Sep AB:8, Sep AC:76
HD 187961 Jonckheere 126	105355	19	52.2	10	21.1	6.5,9.5	Aql	Sep AB:43
HD 188328	105396	19	54.0	15	17.5	7,8.7	Aql	Sep AB:2
HD 189093	105474	19	57.9	11	24.9	7.4,11.5	Aql	Sep AB:16
HD 189183	105485	19	58.2	16	29.6	6.8,10.2	Sge	Sep AB:128
HD 189577 A = VZ Sge; H 100	105522	20	0.0	17	31.0	5.6,11.8,11.5	Sge	Sep AB:29, Sep AC:47
HD 189576	105523	20	0.1	17	36.6	7,8.4,9.5,9.9	Sge	Sep AB:115, Sep AC:80, Sep AD:40
HD 189783	105560	20	1.4	10	44.9	7.8,8	Aql	Sep AB:4
HD 190090	105589	20	2.8	14	35.0	6.7,9.7	Aql	Sep AB:3
HD 190211	105608	20	3.3	18	30.1	6,10.3	Sge	Sep AB:47
HD 190406	105635	20	4.1	17	4.5	5.9,6.8	Sge	Sep AB:204
HD 190516	105650	20	4.8	15	54.1	7.3,9.7	Aql	Sep AB:41
HD 190658	105663	20	5.4	15	30.0	6.3,10.7	Aql	Sep AB:2
HD 190868	105697	20	6.6	12	40.9	7.3,11.6	Aql	Sep AB:20
HD 191048 Bur 58	105714	20	7.3	16	4.6	7.6,10.7	Aql	Sep AB:9
HD 191499	105765	20	9.6	16	48.2	7.9,9.4,12.6	Sge	Sep AB:5, Sep AC:75
HD 193349	105957	20	19.4	14	22.2	6.7,9.5	Del	Sep AB:3
HD 194318	106068	20	24.4	19	34.5	7.9,10,12	Del	Sep AB:23, Sep AC:39
HD 195019	106138	20	28.3	18	46.2	6.8,10.2,9.8	Del	Sep AB:4, Sep AC:96
HD 195358 AC = South 752; AD = Fox	106177	20	30.2	19	25.3	6.6,10.9,10.9,10.5	Del	Sep AB:2, Sep AC:22, Sep AD:106
HD 195483	106196	20	31.2	11	15.6	7.1,7.3	Del	Sep AB:17
HD 196423	106305	20	37.0	12	2.9	7.6,9.1	Del	Sep AB:2
HD 196524 Beta Del; 6 Del; Rotanev	106316	20	37.5	14	35.7	4,4.9,13,10.8	Del	Sep AB:.6, Sep AC:19, Sep AD:44
HD 197179	106390	20	41.8	12	31.1	6.8,10.7	Del	Sep AB:12
HD 197473	106427	20	43.5	19	52.9	8,9.3	Del	Sep AB:3
HD 197684	106443	20	44.9	12	18.7	6.7,8.7	Del	Sep AB:1
HD 197913	106466	20	46.2	15	54.4	7.5,8.4	Del	Sep AB:6
HD 197964 Gamma 2 Del; 12 Del	106476	20	46.7	16	7.6	4.3,5.5	Del	Sep AB:10

Double	SAO #	RA (hr)	RA (min)	Dec Deg	Dec Amin	Mag	Const	Sep
HD 198390	106536	20	49.6	12	32.6	6,11.2	Del	Sep AB:108
HD 199721	106719	20	58.5	16	26.2	6.4,8.6,7.9	Del	Sep AB:15, Sep AC:211
HD 199941	106738	20	59.8	16	49.5	6.6,9.2	Del	Sep AB:71
HD 200745	106819	21	4.9	12	26.7	7.7,11.7	Del	Sep AB:20
HD 201672	106894	21	10.5	19	57.6	7.5,8.5	Peg	Sep AB:2
HD 202908	107015	21	18.6	11	34.2	7,12.9,10.8	Equ	Sep AB:50, Sep AC:83
HD 203504	107073	21	22.1	19	48.2	4.1,8.2,11.9	Peg	Sep AB:36, Sep AC:75
HD 204215	107139	21	26.7	13	41.3	7.1,8.8	Peg	Sep AB:4
HD 204509	107165	21	28.9	11	5.1	6.7,7.5,9.3	Peg	Sep AB:1.7, Sep AC:136
HD 206485	107334	21	42.0	18	56.4	7.3,10.1	Peg	Sep AB:22
HD 207859	107450	21	51.7	19	18.4	6.8,10.2	Peg	Sep AB:4
HD 208202	107489	21	54.3	19	43.1	6.4,8.8	Peg	Sep AB:22
HD 208668	107541	21	57.6	11	56.8	7.5,9	Peg	Sep AB:79
HD 209166 20 Peg	107587	22	1.1	13	7.2	5.7,11.1	Peg	Sep AB:55
HD 209601	107633	22	4.4	13	38.9	7,7.9	Peg	Sep AB:2
HD 210461	107707	22	10.4	14	37.8	6.4,12.3	Peg	Sep AB:22
HD 211076	107756	22	14.3	17	11.4	6.5,9.7	Peg	Sep AB:20
HD 212989	107935	22	28.1	12	14.9	7.2,,11.2	Peg	
HD 213014	107941	22	28.2	17	15.8	6.5,9.4	Peg	Sep AB:9
HD 214850	108094	22	40.9	14	32.8	6.3,6.3,11.5	Peg	Sep AB:.3, Sep AC:72
HD 215648 Xi Peg; 46 Peg	108165	22	46.7	12	10.8	4.2,12.2,11	Peg	Sep AB:12, Sep AC:145
HD 216900	108275	22	56.8	11	50.9	6.5,8.9	Peg	Sep AB:4
HD 218550	108426	23	8.8	10	57.5	8.3,,11.5	Peg	
HD 218687	108437	23	10.0	14	25.6	6.5,10.1	Peg	Sep AB:31
HD 219139	108463	23	13.4	11	3.9	5.9,10.1	Peg	Sep AB:33
HD 221327	108654	23	31.1	18	46.7	7.7,9.6	Peg	Sep AB:2
HD 221479	108669	23	32.4	17	24.3	7.1,9.9	Peg	Sep AB:1.9
HD 222133 75 PegZ	108732	23	37.9	18	24.0	5.4,11.6	Peg	Sep AB:28
HD 222659	108780	23	42.5	18	40.0	7.2,10.2	Peg	Sep AB:8
HD 223839	108883	23	53.0	11	55.5	7.3,8.1	Peg	Sep AB:18
HD 224429	108931	23	57.8	11	28.5	6.7,10.3	Peg	Sep AB:21
HD 225028 Bur 281	108983	0	2.8	2	7.9	7.2,11.7	Psc	Sep AB:40
HD 1061 35 Psc; UU Psc	109087	0	15.0	8	49.3	6,7.6	Psc	Sep AB:11
HD 1317 38 Psc; A1803 (B)	109111	0	17.4	8	52.5	7.9,,7.8,11.9	Psc	
HD 1585	109145	0	20.1	6	17.6	6.8,13	Psc	Sep AB:51
HD 2235	109206	0	26.3	3	49.5	6.9,12	Psc	Sep AB:60
HD 2913 51 Psc	109262	0	32.4	6	57.3	5.7,9.5	Psc	Sep AB:28
HD 6277	109642	1	3.8	6	45.9	7,7.9	Psc	Sep AB:1.4
HD 6288 26 Cet	109643	1	3.8	1	22.0	6.2,8.6	Cet	Sep AB:16
HD 6479 77 Psc	109666	1	5.8	4	54.6	6.8,7.6	Psc	Sep AB:33
HD 6763	109697	1	8.4	5	39.1	5.7,12.2,9.5	Psc	Sep AB:86, Sep AC:177
HD 7344 Zeta Psc; 86 Psc; Bur 1029	109739	1	13.7	7	34.6	5.2,6.4	Psc	Sep AB:23
HD 7736	109783	1	17.2	2	0.9	7.3,10.6	Cet	Sep AB:37
HD 8803	109895	1	26.9	3	32.1	6.6,8.6	Psc	Sep AB:6
HD 8875 95 Psc	109905	1	27.7	5	21.3	7.6,11.4	Psc	Sep AB:147

Double	SAO #	RA (hr)	RA (min)	Dec Deg	Dec Amin	Mag	Const	Sep
HD 8949	109907	1	28.4	7	57.7	6.2,8	Psc	Sep AB:69
HD 9138 98 Psc	109926	1	30.2	6	8.7	4.8,10.7	Psc	Sep AB:183
HD 9817	110001	1	36.0	7	38.7	6.8,7.7	Psc	Sep AB:1.6
HD 11803	110235	1	55.9	1	50.8	6,6.8	Cet	Sep AB:1.2
HD 12446 Alpha Psc; 113 Psc; Al Rescha, "the cord"	110291	2	2.0	2	45.8	4.2,5.1	Psc	Sep AB:2
HD 15695	110591	2	31.5	1	5.7	7.5,7.7	Cet	Sep AB:14
HD 16161 Nu Cet; 78 Cet	110635	2	35.9	5	35.6	4.9,9.5	Cet	Sep AB:8
HD 16160	110636	2	36.0	6	52.0	5.8,12	Cet	Sep AB:165
HD 16970 Gamma Cet; 86 Cet; Alkaffaljidhina	110707	2	43.3	3	14.3	3.5,7.3	Cet	Sep AB:2.5
HD 17907	110807	2	52.7	6	28.5	7.1,8.7	Cet	Sep AB:3
HD 18570	110883	2	59.4	6	39.2	7.3,8.4	Cet	Sep AB:1.1
HD 22468 V711 Tau	111291	3	36.8	0	35.4	5.9,8.8	Tau	Sep AB:6
HD 22878	111340	3	40.5	5	7.6	6.6,9.8,10.2	Tau	Sep AB:26, Sep AC:36
HD 23466 29 Tau	111400	3	45.7	6	3.0	5.4,11.6	Tau	Sep AB:65
HD 23990	111441	3	49.8	9	24.5	6.8,13.3	Tau	Sep AB:31
HD 25330	111566	4	1.8	9	59.9	5.7,11.7	Tau	Sep AB:12
HD 26573	111659	4	12.1	0	44.1	6.6,9.9	Tau	Sep AB:11
HD 26677	111671	4	13.5	8	53.4	6.4,,12.4	Tau	
HD 26923 V891 Tau	111698	4	15.5	6	11.3	6.3,6.9,10	Tau	Sep AB:60, Sep AC:226
HD 26991	111705	4	16.0	0	27.2	7.2,9.1	Tau	Sep AB:3
HD 30652 1 Ori	112106	4	49.8	6	57.7	3.2,7.1,12.4	Ori	Sep AB:95, Sep AC:196
HD 31306	112205	4	54.9	8	36.0	6.9,8.9,11.9,12.7	Ori	Sep AB:2, Sep AC:38, Sep AD:12
HD 32040	112305	5	0.5	3	37.0	6.7,7	Ori	Sep AB:21
HD 32273	112340	5	2.0	1	36.5	6.5,8	Ori	Sep AB:15
HD 33021	112436	5	7.6	9	28.6	6.3,10.1	Ori	Sep AB:124
HD 33054 14 Ori	112440	5	7.9	8	30.0	5.9,6.7	Ori	Sep AB:.9
HD 33254	112467	5	9.3	9	49.8	5.4,12.2,9.9	Ori	Sep AB:89, Sep AC:168
HD 33340	112481	5	10.0	8	10.5	7,10	Ori	Sep AB:4
HD 33646	112509	5	11.8	1	2.2	5.9,7.6	Ori	Sep AB:1.7
HD 33856 Rho Ori; 17 Ori	112528	5	13.3	2	51.7	4.6,8.3,11.8	Ori	Sep AB:7, Sep AC:182
HD 35149 23 Ori	112697	5	22.8	3	32.7	5,7.1	Ori	Sep AB:32
HD 35192	112704	5	23.1	1	3.4	7.1,7.9	Ori	Sep AB:5
HD 35191	112705	5	23.1	1	17.4	7.1,10.3	Ori	Sep AB:64
HD 35439 25 Ori; V1086 Ori	112734	5	24.7	1	50.8	8.1,8.3,4.7	Ori	Sep AB:46, Sep AC:158
HD 35468 24 Ori; Bellatrix, "the female warrior"	112740	5	25.1	6	21.0	1.6,12.2	Ori	Sep AB:179
HD 35673	112765	5	26.5	2	56.2	6.6,9.5	Ori	Sep AB:3
HD 35715 Psi 2 Ori; 30 Ori	112775	5	26.8	3	5.7	4.6,10.2	Ori	Sep AB:3
HD 36013	112813	5	28.8	1	38.6	6.9,11.2	Ori	Sep AB:25
HD 36133	112824	5	29.5	3	8.9	7.1,8.4	Ori	Sep AB:25
HD 36351 33 Ori	112861	5	31.2	3	17.5	5.8,7.1	Ori	Sep AB:1.6
HD 36861 Lambda Ori; 39 Ori; Heka, "white spot"	112921	5	35.1	9	56.0	3.4,5.5,11.2,11.2	Ori	Sep AB:4, Sep AC:29, Sep AD:78
HD 38527	113124	5	46.9	9	31.4	5.8,11	Ori	Sep AB:17
HD 38710 52 Ori	113150	5	48.0	6	27.3	6.1,6.1	Ori	Sep AB:1.6
HD 38798	113161	5	48.5	4	42.2	7.3,10.1	Ori	Sep AB:7
HD 39773	113267	5	54.9	5	51.6	6.8,9.3	Ori	Sep AB:4

Double	SAO #	RA (hr)	RA (min)	Dec Deg	Dec Amin	Mag	Const	Sep
HD 39801 58 Ori; H VI 39; Betelgeuse, "the armpit"	113271	5	55.2	7	24.4	0.9,11	Ori	Sep AB:174
HD 40372 H V 100; V1004 Ori	113315	5	58.4	1	50.2	6.1,9.7	Ori	Sep AB:36
HD 40446 60 Ori	113321	5	58.8	0	33.2	5.2,11.8	Ori	Sep AB:19
HD 42111	113507	6	9.0	2	30.0	5.7,6.9,9.6	Ori	Sep AB:29, Sep AC:118
HD 43286	113645	6	15.5	3	57.5	7.5,10.5,9.8	Ori	Sep AB:18, Sep AC:58
HD 44769 8 Mon; STF 900	113810	6	23.8	4	35.6	4.4,6.7,12.7	Mon	Sep AB:13, Sep AC:94
HD 44771 A2666	113812	6	23.8	2	39.9	6.9,,9.8	Mon	
HD 45317 Baillaud 1007	113892	6	26.7	0	27.3	6.9,8.1	Mon	Sep AB:66
HD 45530 V648 Mon	113926	6	28.2	5	16.3	7.4,8.6,11.2	Mon	Sep AB:6, Sep AC:39
HD 45724	113940	6	29.2	2	38.8	6.2,10.2	Mon	Sep AB:19
HD 46005	113984	6	31.1	9	56.4	7.7,10.9	Mon	Sep AB:23
HD 46150 A2927	114010	6	31.9	4	56.6	6.8,9.6,11.8,12.3	Mon	Sep AB:13, Sep AC:7, Sep AD:13
HD 46597	114073	6	34.3	3	18.4	7.5,10,11.7	Mon	Sep AB:1.3, Sep AC:29
HD 46642 14 Mon	114085	6	34.8	7	34.4	6.5,10.7	Mon	Sep AB:10
HD 47887	114264	6	41.2	9	27.9	7.2,9.6	Mon	Sep AB:13
HD 48157	114297	6	42.1	3	14.9	7.1,9.6	Mon	Sep AB:120
HD 53205	114867	7	4.3	1	29.3	6.6,7.7	Mon	Sep AB:90
HD 56515	115211	7	17.6	9	17.6	6.7,7.9	CMi	Sep AB:1.5
HD 57275 Bur 577	115294	7	20.5	0	24.2	6.9,9.9,12.5,12	CMi	Sep AB:53, Sep AC:13, Sep AD:15
HD 58715 3 CMi; Gomeisa	115456	7	27.1	8	17.4	3.1,11.2,11.1,10.9	CMi	Sep AB:99, Sep AC:125, Sep AD:139
HD 58923 Eta CMi; 5 CMi	115477	7	28.0	6	56.6	5.2,11.1	CMi	Sep AB:4
HD 58972 Gamma CMi; 4 CMi	115478	7	28.2	8	55.5	4.3,11.9	CMi	Sep AB:119
HD 59538	115532	7	30.5	5	15.3	6.9,9.2	CMi	Sep AB:4
HD 60357 Delta 3 CMi; 9 CMi; Baillaud 2296	115644	7	34.3	3	22.3	5.8,11	CMi	Sep AB:90
HD 61275	115733	7	38.5	0	30.3	7.1,9.1	CMi	Sep AB:1.3
HD 61563	115773	7	40.1	5	13.9	6.1,6.9,10.8	CMi	Sep AB:1, Sep AC:44
HD 62323	115851	7	43.5	3	29.2	7,10.7,10.1	CMi	Sep AB:10, Sep AC:86
HD 63536	115981	7	49.5	3	13.2	7.7,9.3	CMi	Sep AB:21
HD 64165	116064	7	52.7	3	23.1	7.1,8	CMi	Sep AB:1
HD 65345 14 Cmi	116182	7	58.3	2	13.4	5.5,8.4,9.3	CMi	Sep AB:97, Sep AC:130
HD 66141	116260	8	2.3	2	20.0	4.4,9.2	CMi	Sep AB:241
HD 68483	116479	8	12.9	9	34.7	7.8,9.5	Cnc	Sep AB:7
HD 69178	116551	8	15.8	2	48.1	5.9,9.5	Hya	Sep AB:15
HD 71115	116752	8	25.9	7	33.9	5.1,10.1	Cnc	Sep AB:30
HD 72945	116929	8	35.9	6	37.3	5.9,7.3,10.7	Cnc	Sep AB:10, Sep AC:93
HD 73262 4 Hya	116965	8	37.7	5	42.2	4.1,10.9	Hya	Sep AB:244
HD 74831	117102	8	46.3	0	38.8	7.1,11	Hya	Sep AB:35
HD 74874 Epsilon Hya; 11 Hya	117112	8	46.8	6	25.2	3.4,,6.8,12.4	Hya	
HD 75768	117208	8	52.0	4	28.0	7.2,9.4	Hya	Sep AB:3
HD 80046 h126	117569	9	17.5	0	33.3	7,10.2	Hya	Sep AB:40
HD 81029	117641	9	23.3	3	30.1	7.3,8.4	Hya	Sep AB:21
HD 81212	117661	9	24.5	6	21.0	6.7,7.6	Hya	Sep AB:2
HD 81670	117704	9	27.3	6	14.1	6.9,7.5	Hya	Sep AB:2
HD 81873 H IV 47	117718	9	28.5	8	11.3	5.7,10.4	Leo	Sep AB:25
HD 82355	117747	9	31.5	1	27.9	6.8,8.4	Hya	Sep AB:3

Double	SAO #	RA (hr)	RA (min)	Dec Deg	Dec Amin	Mag	Const	Sep
HD 84184	117871	9	43.4	2	37.6	7.4,10.6	Sex	Sep AB:4
HD 85762 9 Sex	117980	9	54.1	4	56.7	7,9.2	Sex	Sep AB:54
HD 89995	118271	10	23.2	5	41.7	6.5,9.1	Sex	Sep AB:59
HD 90125 AC = h2530	118278	10	24.2	2	22.1	6.4,12.7,6.7	Sex	Sep AB:10, Sep AC:212
HD 90303	118292	10	25.6	8	46.6	7.5,9.6	Leo	Sep AB:3
HD 90386 RX Sex	118299	10	26.1	3	55.9	6.8,8.7	Sex	Sep AB:116
HD 91636 49 Leo; TX Leo	118380	10	35.0	8	39.0	5.8,8.5	Leo	Sep AB:2.2
HD 92184	118410	10	38.7	5	44.0	7.1,9	Sex	Sep AB:1.7
HD 92841 35 Sex	118449	10	43.3	4	44.9	6.3,7.4	Sex	Sep AB:7
HD 94672 55 Leo	118574	10	55.7	0	44.2	6.1,8	Sex	Sep AB:1.1
HD 95382 59 Leo	118615	11	0.7	6	6.1	5.1,12.6	Leo	Sep AB:45
HD 95899	118638	11	4.0	3	38.3	7.2,7.9	Leo	Sep AB:1.2
HD 96097 Chi Leo; 63 Leo	118648	11	5.0	7	20.2	4.7,10.6,8.9	Leo	Sep AB:3.6, Sep AC:276
HD 97605	118735	11	14.0	8	3.7	5.8,11.2	Leo	Sep AB:22
HD 99491 83 Leo	118864	11	26.8	3	0.6	6.2,7.9,9.9	Leo	Sep AB:28, Sep AC:90
HD 99648 Tau Leo; 84 Leo	118875	11	27.9	2	51.4	5,7.4	Leo	
HD 102510 4 Vir	119058	11	47.9	8	14.7	5.2,12	Vir	Sep AB:150
HD 102870 5 Vir; Alaraph; Zavijava	119076	11	50.7	1	46.1	3.8,10.6,8.8	Vir	Sep AB:246, Sep AC:12
HD 106423	119282	12	14.4	8	47.1	7.5,9.8,11	Vir	Sep AB:23, Sep AC:157
HD 107328	119341	12	20.4	3	18.8	5.1,11.6	Vir	Sep AB:132
HD 107705 17 Vir	119360	12	22.5	5	18.4	6.6,9.4	Vir	Sep AB:19
HD 108877	119437	12	30.6	3	30.5	7.3,9.6	Vir	Sep AB:8
HD 109499	119484	12	35.1	7	26.6	7.8,9.7	Vir	Sep AB:3
HD 110280	119530	12	40.9	8	49.8	7.2,8.1	Vir	Sep AB:1.4
HD 111028	119580	12	46.3	9	32.8	6,9.1	Vir	Sep AB:172
HD 112300 43 Vir; Auva	119674	12	55.6	3	23.9	3.4,10.7	Vir	Sep AB:165
HD 112815	119696	12	59.3	6	30.3	7.5,9.5	Vir	Sep AB:21
HD 113984	119774	13	7.3	0	35.2	7.6,8.1	Vir	Sep AB:8
HD 115995	119889	13	20.7	2	56.5	6.3,7.5	Vir	Sep AB:1.6
HD 116442	119909	13	23.6	2	43.2	7.4,7.6	Vir	Sep AB:26
HD 116542	119913	13	24.3	1	24.0	7.6,8.1	Vir	Sep AB:1
HD 117114	119941	13	28.2	9	27.7	7.7,10.3	Vir	Sep AB:25
HD 117498	119971	13	30.6	9	19.0	6.9,10.3	Vir	Sep AB:6
HD 118578	120042	13	37.7	2	22.9	6.7,9,9.3	Vir	Sep AB:16, Sep AC:172
HD 119425 84 Vir	120082	13	43.1	3	32.3	5.7,8.9	Vir	Sep AB:3
HD 120066	120108	13	47.0	6	21.1	6.3,10.8	Vir	Sep AB:486
HD 121665	120189	13	56.7	2	59.2	6.9,11.9,11.2	Vir	Sep AB:33, Sep AC:41
HD 123712	120311	14	9.2	7	23.1	7.1,10.7	Boo	Sep AB:5
HD 124224 CU Vir	120339	14	12.3	2	24.6	5,12.8	Vir	Sep AB:60
HD 126129	120426	14	23.4	8	26.8	4.9,6.8	Boo	Sep AB:6
HD 129538	120618	14	42.9	8	4.6	7.4,10.9	Boo	Sep AB:4
HD 131023	120697	14	51.0	9	43.4	7.4,9.6	Boo	Sep AB:8
HD 131786	120739	14	55.4	6	47.1	6.7,11.9	Vir	Sep AB:35
HD 132132 M Vir	120758	14	57.5	0	10.0	5.5,10.3	Vir	Sep AB:86
HD 133408	120822	15	4.1	5	29.6	7.2,7.2	Vir	Sep AB:10

Double	SAO #	RA (hr)	RA (min)	Dec Deg	Dec Amin	Mag	Const	Sep
HD 134066	120851	15	7.6	9	13.5	7.4,7.5	Boo	Sep AB:4
HD 136202 STF 774; 5 Ser	120946	15	19.3	1	46.4	5,10.1,9.1	Ser	Sep AB:11, Sep AC:127
HD 136514 6 Ser	120955	15	21.0	0	43.0	5.4,10	Ser	Sep AB:3
HD 140538 Psi Ser; 23 Ser	121152	15	44.0	2	31.0	5.9,,8.9,10.5	Ser	
HD 140573 Alpha Ser; 24 Ser; Unukalhai	121157	15	44.2	6	25.5	2.8,11.8	Ser	Sep AB:58
HD 148857 Lambda Oph; 10 Oph; Marfik, "the elbow"	121658	16	30.9	1	59.1	3.8,5.2,11	Oph	Sep AB:1.5, Sep AC:119
HD 148979	121665	16	31.5	8	17.6	7,8.3	Her	Sep AB:59
HD 148980	121667	16	31.6	5	26.0	7.9,9	Her	Sep AB:6
HD 149433	121703	16	34.5	8	40.4	6.9,10	Her	Sep AB:2.5
HD 150379 36, 37 Her	121774	16	40.6	4	12.4	5.8,7	Her	Sep AB:70
HD 150764	121807	16	43.0	3	27.3	7.4,11.5	Her	Sep AB:21
HD 150891	121816	16	43.6	6	37.1	7.7,9.1	Her	Sep AB:54
HD 151029	121826	16	44.7	2	20.0	7.5,12	Oph	Sep AB:21
HD 151090 OS	121831	16	45.0	6	5.5	6.8,9.6,10	Her	Sep AB:164, Sep AC:155
HD 151217 43 Her	121843	16	45.8	8	34.9	5.4,9.8	Her	Sep AB:83
HD 151431 19 Oph	121859	16	47.2	2	3.9	6.1,9.4,11.3	Oph	Sep AB:23, Sep AC:215
HD 151525	121865	16	47.8	5	14.8	5.3,10.5	Her	Sep AB:123
HD 153914	122023	17	2.0	8	27.0	6.3,7.8	Oph	Sep AB:1
HD 158976	122481	17	32.0	2	49.4	7.4,9.4,11.2	Oph	Sep AB:1.4, Sep AC:51
HD 159480 53 Oph; Baillaid 2443 (B)	122526	17	34.6	9	35.2	5.8,8.5,10.8,10.8	Oph	Sep AB:42, Sep AC:91, Sep AD:96
HD 159660	122544	17	35.8	0	59.8	7.6,8.4	Oph	Sep AB:3
HD 160315	122607	17	39.1	2	1.7	6.3,7.7,9	Oph	Sep AB:112, Sep AC:100
HD 160385	122615	17	39.5	3	23.6	6.8,11.4,12.9	Oph	Sep AB:8, Sep AC:31
HD 161270 61 Oph	122690	17	44.6	2	34.8	6.6,6.6,12.5	Oph	Sep AB:21, Sep AC:96
HD 162652	122847	17	52.1	1	6.7	6.6,7.2	Oph	Sep AB:82
HD 163624	122950	17	57.1	0	4.0	6,6.9	Oph	Sep AB:.9
HD 164309	123007	18	0.2	8	51.4	5.7,9.2,11	Oph	Sep AB:63, Sep AC:15
HD 164353 67 Oph; H VI 62	123013	18	0.6	2	55.9	3.9,8.5,12	Oph	Sep AB:54, Sep AC:46
HD 165341 70 Oph	123107	18	5.4	2	30.9	4.2,6	Oph	Sep AB:2.9
HD 165887	123156	18	8.1	2	13.1	6.5,11.7	Oph	
HD 166233 73 Oph	123187	18	9.6	3	59.6	5.7,12.6	Oph	Sep AB:68
HD 166285	123198	18	9.9	3	7.3	5.7,10	Oph	Sep AB:104
HD 168387	123353	18	19.1	7	15.6	5.4,11.9	Oph	Sep AB:40
HD 168656 74 Oph	123377	18	20.9	3	22.6	4.9,11.5,11.9	Oph	Sep AB:28, Sep AC:58
HD 169985 59 Ser	123497	18	27.2	0	11.8	5.3,7.6	Ser	Sep AB:4
HD 170580	123571	18	30.1	4	3.9	6.7,10.9,12,12	Oph	Sep AB:20, Sep AC:67, Sep AD:85
HD 170699	123585	18	30.7	4	30.7	7,9	Oph	Sep AB:101
HD 171247	123634	18	33.4	8	16.1	6.4,10.2	Oph	Sep AB:39
HD 171586 FR Ser; Bur 643	123673	18	35.6	4	56.2	6.5,,9.6	Ser	
HD 171767	123688	18	36.5	4	57.3	6.7,11	Ser	Sep AB:18
HD 171834	123693	18	36.6	6	40.4	5.4,13.3	Oph	Sep AB:75
HD 173495 Tweedledum and Tweedledee; Finsen 332	123886	18	45.5	5	30.0	5.8,,6.7	Ser	
HD 175272	124028	18	54.5	1	53.9	7.4,7.4,10.6	Aql	Sep AB:97, Sep AC:150
HD 175638 Theta Ser; 63 Ser; Alya	124068	18	56.2	4	12.2	4.6,5	Ser	Sep AB:22
HD 177749	124257	19	5.8	6	32.9	6.8,9.1,10.2	Aql	Sep AB:10, Sep AC:35

Double	SAO #	RA (hr)	RA (min)	Dec Deg	Dec Amin	Mag	Const	Sep
HD 177904	124265	19	6.4	7	9.3	7.2,7.9	Aql	Sep AB:8
HD 179123	124355	19	10.9	8	7.3	7.4,10.3	Aql	Sep AB:8
HD 179343 Bur 1204	124376	19	12.0	2	37.4	6.9,10.4	Aql	Sep AB:31
HD 181053 24 Aql	124492	19	18.8	0	20.3	6.5,6.7	Aql	Sep AB:423
HD 181365	124514	19	20.0	5	35.3	7.6,8.5	Aql	Sep AB:30
HD 182835 32 Aql	124628	19	26.5	0	20.3	4.6,9.1	Aql	Sep AB:201
HD 183589	124698	19	30.2	2	54.2	6.1,10.1	Aql	Sep AB:33
HD 184853	124835	19	36.2	6	0.5	6.6,9.7	Aql	Sep AB:13
HD 185297 Bur 249	124878	19	38.3	0	20.7	7.2,	Aql	
HD 186490	125008	19	44.5	4	58.8	7.6,10.6	Aql	Sep AB:25
HD 186704	125036	19	45.9	4	14.9	7,11.3	Aql	Sep AB:10
HD 187734	125141	19	51.4	4	5.3	6.5,9.4	Aql	Sep AB:4
HD 188512 Beta Aql; 60 Aql; Alshain	125235	19	55.3	6	24.8	3.7,11.6,11.6	Aql	Sep AB:13, Sep AC:204
HD 190522	125429	20	5.3	0	27.3	6.9,12.5	Aql	Sep AB:24
HD 190849	125456	20	6.6	7	34.6	7.1,7.6	Aql	Sep AB:65
HD 191104	125478	20	7.8	9	24.0	6.4,8.6	Aql	Sep AB:4
HD 191533	125517	20	10.1	8	26.8	6.6,10.1,12.4	Aql	Sep AB:7, Sep AC:74
HD 191984	125566	20	12.6	0	52.0	7.1,8.1	Aql	Sep AB:3
HD 192586 Baillaud 1551	125616	20	15.5	2	50.8	7.6,12.6,12.3	Aql	Sep AB:15, Sep AC:30
HD 192622	125620	20	15.6	7	48.5	7.3,11.9	Aql	Sep AB:10
HD 194244	125769	20	24.6	1	4.1	6.1,10.7	Aql	Sep AB:32
HD 196929	126088	20	40.3	3	26.5	6.9,10.4,8.4	Del	Sep AB:17, Sep AC:65
HD 198069 13 Del	126222	20	47.8	6	0.5	5.6,9.2	Del	Sep AB:1.6
HD 198404	126267	20	50.0	5	32.7	6.2,9	Del	Sep AB:80
HD 199223	126373	20	55.7	4	32.0	6,7.6	Del	Sep AB:2
HD 199442	126396	20	57.2	0	27.9	6.1,9.8	Aqr	Sep AB:26
HD 199766 Epsilon Equ; 1 Equ	126428	20	59.1	4	17.7	5.3,5.3,7.1	Equ	Sep AB:1, Sep AC:10
HD 200256 Lambda Equ; 2 Equ; Kuiper 102	126482	21	2.2	7	10.8	6.72,6.93	Equ	Sep AB:2.8
HD 200375	126491	21	3.0	1	32.0	6.2,7.2,12.8	Aqr	Sep AB:1.2, Sep AC:89
HD 201601 Gamma Equ; 5 Equ; Bur 71; BO Equ	126593	21	10.3	10	8.0	4.7,11.5,5.7	Equ	Sep AB:2, Sep AC:343
HD 201686	126601	21	11.0	9	33.0	7.4,8.6	Equ	Sep AB:3
HD 202073	126625	21	13.4	7	13.1	7.2,	Equ	
HD 202276	126642	21	14.5	4	41.4	7.5,12,10.1	Equ	Sep AB:6, Sep AC:92
HD 202275 Delta Equ; OS 535	126643	21	14.5	10	0.7	4.5,,9.4	Equ	
HD 203067	126707	21	19.6	9	31.5	7,8.3	Equ	Sep AB:3
HD 203943 Bur 164 (Aa)	126783	21	25.1	9	23.0	7.4,,9.3	Equ	
HD 205053	126875	21	32.5	4	52.4	7.3,12.8	Peg	Sep AB:17
HD 205630	126922	21	36.4	7	53.0	7.7,11.8	Peg	Sep AB:14
HD 205811 3 Peg	126940	21	37.7	6	37.1	6,8.3	Peg	Sep AB:39
HD 205924 4 Peg	126956	21	38.5	5	46.3	5.7,11.7	Peg	Sep AB:27
HD 206067	126965	21	39.6	2	14.7	5.3,11.6	Aqr	Sep AB:133
Epsilon Peg	127029	21	44.2	9	52.5	2.5	Peg	83
HD 208632	127190	21	57.5	4	9.5	7.1,8.7	Peg	Sep AB:75
HD 208718	127196	21	58.0	5	56.4	7.2,7.8	Peg	Sep AB:11
HD 209262	127243	22	1.9	4	46.3	8,12.5,10	Peg	Sep AB:22, Sep AC:78

Double	SAO #	RA (hr)	RA (min)	Dec Deg	Dec Amin	Mag	Const	Sep
HD 209845	127297	22	6.2	10	5.6	7.1,10.2	Peg	Sep AB:20
HD 209965	127306	22	7.1	0	34.2	7.4,8.6	Aqr	Sep AB:3
HD 210686	127363	22	11.9	6	53.8	7,11.8,10.6	Peg	Sep AB:11, Sep AC:108
HD 211048	127402	22	14.5	7	58.6	6.7,8.3,10.5,11.1	Peg	
HD 211924 30 Peg	127453	22	20.4	5	47.4	5.4,10.7,11.8	Peg	Sep AB:16, Sep AC:15
HD 212226	127485	22	22.6	6	28.4	7.3,12.1	Peg	Sep AB:19
HD 212943	127540	22	27.8	4	42.0	4.9,9.8	Peg	Sep AB:182
HD 213235 37 Peg	127551	22	30.0	4	26.0	5.8,7.1	Peg	Sep AB:1
HD 213892	127609	22	34.5	4	13.3	7.6,9	Peg	Sep AB:14
HD 215129	127707	22	43.0	1	13.1	7,10	Aqr	Sep AB:5
HD 217166	127870	22	58.6	9	21.5	6.4,,9.2	Peg	
HD 218634 57 Peg; GZ Peg	128001	23	9.5	8	40.6	5.1,9.7	Peg	Sep AB:33
HD 218853	128019	23	11.2	5	0.2	6.7,11	Psc	Sep AB:73
HD 220406	128156	23	23.5	0	17.5	6.3,10.5	Psc	Sep AB:42
HD 220512	128160	23	24.3	3	42.9	6.6,8.8	Psc	Sep AB:7
HD 221272	128216	23	30.7	5	15.0	7.8,8.3	Psc	Sep AB:10
HD 222368 17 Psc	128310	23	39.9	5	37.9	4.1,13	Psc	Sep AB:70
HD 717	128631	0	11.6	-3	4.7	7.6,9.4	Psc	Sep AB:8
HD 1153	128668	0	15.9	-5	36.1	7.5,10.3	Psc	Sep AB:5
HD 1522 Iota Cet; 8 Cet	128694	0	19.4	-8	49.4	3.6,12.1,8.6	Cet	Sep AB:63, Sep AC:109
HD 1978	128739	0	24.0	-3	28.5	7.8,10.8,12.7	Psc	Sep AB:3, Sep AC:41
HD 3125	128831	0	34.5	-4	32.8	7,9.3	Cet	Sep AB:20
HD 3512 15 Cet	128868	0	38.1	0	30.2	7.5,11.5	Cet	Sep AB:30
HD 5861	129072	1	0.0	-2	1.1	7.4,10.2	Cet	Sep AB:17
HD 6203	129094	1	3.0	-4	50.1	5.3,11.7	Cet	Sep AB:200
HD 7439 37 Cet	129193	1	14.4	-7	55.6	5.2,8.7	Cet	Sep AB:50
HD 7672 AY Cet	129204	1	16.6	-2	30.0	5.5,11.2	Cet	Sep AB:178
HD 8036 42 Cet; Finsen 337	129235	1	19.8	0	30.5	6.5,7.5	Cet	Sep AB:1.6
HD 8627	129283	1	25.0	-5	56.8	6.8,10.6	Cet	Sep AB:7
HD 10725	129482	1	44.7	-6	46.0	6.6,9.4,11	Cet	Sep AB:2, Sep AC:93
HD 12020 58 Cet	129588	1	58.0	-2	3.6	6.6,11,9.6	Cet	Sep AB:2.7, Sep AC:150
HD 12292 AR Cet	129624	2	0.4	-8	31.4	5.4,9.6	Cet	Sep AB:63
HD 12641 H V 102	129667	2	3.8	0	20.4	5.9,10.4	Cet	Sep AB:43
HD 13043	129706	2	7.6	0	36.8	6.9,10.5	Cet	Sep AB:78
HD 13612 66 Cet	129752	2	12.8	-2	23.6	5.7,7.5,11.5	Cet	Sep AB:16, Sep AC:173
HD 13728	129762	2	13.7	-3	1.9	7.3,10.3	Cet	Sep AB:82
HD 15005	129887	2	24.9	-3	53.5	7.1,12.1,11.1	Cet	Sep AB:11, Sep AC:56
HD 16074	129984	2	34.7	-7	51.5	5.8,12.5	Cet	Sep AB:95
HD 16212	130004	2	36.0	-7	49.9	5.7,9.3	Cet	Sep AB:147
HD 16765 84 Cet	130055	2	41.2	0	41.6	5.8,9	Cet	Sep AB:4
HD 18384	130205	2	57.2	0	34.5	7.2,9.3	Cet	Sep AB:9
HD 18975	130256	3	3.0	-2	5.2	7.5,11.8	Eri	Sep AB:9
HD 20319	130388	3	16.0	-5	55.1	6.9,7.1	Eri	Sep AB:1
HD 20559 95 Cet	130408	3	18.3	0	55.8	5.6,7.5	Cet	Sep AB:1.1
HD 21789	130529	3	30.7	-4	16.4	7.6,8.5	Eri	Sep AB:1.3

Double	SAO #	RA (hr)	RA (min)	Dec Deg	Dec Amin	Mag	Const	Sep
HD 21978	130551	3	32.2	-7	5.4	7.3,9.7,13.8	Eri	Sep AB:19, Sep AC:38
HD 24098	130762	3	50.3	-1	31.4	6.5,10.5,11.2	Eri	Sep AB:4, Sep AC:41
HD 24388 30 Eri	130789	3	52.7	-5	21.7	5.5,10.6	Eri	Sep AB:8
HD 24555 32 Eri; w Eri	130806	3	54.3	-2	57.3	4.8,6	Eri	Sep AB:7
HD 25040	130858	3	58.6	-2	39.1	7.1,8.7	Eri	Sep AB:55, Sep AC:39
HD 26584	131020	4	11.9	-8	50.3	6.5,9.6	Eri	Sep AB:52
HD 26965 Omicron 2 Eri; 40 Eri; Keid, "the egg shells"	131063	4	15.4	-7	36.3	4.4,9.5,11.2	Eri	Sep AB:84, Sep AC:9
HD 27611	131140	4	21.4	0	5.8	5.9,12.9,10.9	Eri	Sep AB:36, Sep AC:198
HD 27699 h342?	131150	4	22.2	-4	40.6	7.5,8.6	Eri	Sep AB:1.6
HD 27810	131166	4	23.2	-5	0.3	7.6,9.7,11.9	Eri	Sep AB:17, Sep AC:28
HD 28843 DZ Eri	131279	4	32.6	-3	12.6	5.8,10.4	Eri	Sep AB:125
HD 29173	131335	4	35.2	-9	44.2	6.7,7.6	Eri	Sep AB:12
HD 29227	131344	4	36.0	-3	36.7	6.3,11,12.6,12.6	Eri	Sep AB:18, Sep AC:45, Sep AD:60
HD 29391 51 Eri	131358	4	37.6	-2	28.4	5.2,11.7	Eri	Sep AB:32
HD 30021 55 Eri; DW Eri	131443	4	43.6	-8	47.7	6.7,6.8	Eri	Sep AB:9
HD 31739	131640	4	58.2	-2	12.8	6.3,11.1	Ori	Sep AB:21
HD 32468	131720	5	3.0	-8	39.8	7.1,8.2	Eri	Sep AB:4
HD 32526	131731	5	3.7	-2	32.4	6.7,9.2	Ori	Sep AB:52
HD 32964 66 Eri	131777	5	6.8	-4	39.3	5.2,8.4	Eri	Sep AB:53
HD 33111 67 Eri; Cursa	131794	5	7.8	-5	5.1	2.9,10.9	Eri	Sep AB:117
HD 33224	131806	5	8.3	-8	39.9	5.8,8.8	Eri	Sep AB:21
HD 34085 Beta Ori; 19 Ori; Bur 555; Rigel	131907	5	14.5	-8	12.1	0,6.8	Ori	Sep AB:9
HD 34121	131910	5	14.7	-7	4.3	6.9,8.6	Ori	Sep AB:4
HD 34503 Tau Ori; 20 Ori; H V 25; AC = Bur 188	131952	5	17.6	-6	50.7	3.6,13.6,11.9,10.8	Ori	Sep AB:36, Sep AC:36, Sep AD:3.5
HD 34892 Bur 190	132006	5	20.4	-8	1.7	7.5,,8.7	Ori	
HD 35281	132053	5	23.3	-8	24.9	6,7.8	Ori	Sep AB:6
HD 35317 A847 (BC)	132060	5	23.9	0	52.0	6.1,7.8	Ori	Sep AB:3
HD 35411 Eta Ori; 28 Ori; Saif	132071	5	24.5	-2	23.8	3.8,4.8,9.4	Ori	Sep AB:1.5, Sep AC:116
HD 36059 Piazzi 109	132154	5	28.7	-8	22.6	6.8,10.5	Ori	Sep AB:27
HD 36090 Webb	132163	5	29.0	-4	41.5	11.2,10.2	Ori	Sep AB:48
HD 36151	132172	5	29.4	-7	15.7	6.7,9.7	Ori	Sep AB:49
HD 36167 31 Ori; CI Ori	132176	5	29.7	-1	5.5	4.7,9.9	Ori	Sep AB:12
HD 36486 Delta Ori; 34 Ori; Bur 558; Mintaka	132220	5	32.0	0	17.9	2.3,6.3	Ori	Sep AB:52
HD 36646 AC = H V 119	132247	5	33.1	-1	43.1	6.5,8.6,8.2	Ori	Sep AB:1.5, Sep AC:30
HD 36779	132269	5	34.1	-1	2.1	6.2,9.8	Ori	Sep AB:28
HD 36898	132291	5	34.9	0	7.4	7.1,11	Ori	Sep AB:10
HD 36960	132301	5	35.0	-6	0.1	4.8,5.7	Ori	Sep AB:36
HD 37018 42 Ori	132320	5	35.4	-4	50.3	4.6,7.9,0,0	Ori	Sep AB:1.6
HD 37041 Theta 2 Ori; 43 Ori	132321	5	35.4	-5	25.0	5,6.5,9.1	Ori	Sep AB:53, Sep AC:129
HD 37043 Iota Ori; 44 Ori; Nair al Saif	132323	5	35.4	-5	54.6	2.8,6.9,11	Ori	Sep AB:11, Sep AC:49
HD 37040	132325	5	35.5	-4	21.9	6.6,8.5	Ori	Sep AB:4
HD 37128 46 Ori; Alnilam, "the string of pearls"	132346	5	36.2	-1	12.1	1.7,10.5	Ori	Sep AB:178
HD 37209	132359	5	36.6	-6	3.9	5.7,8.9	Ori	Sep AB:5
HD 37468 Sigma Ori; 48 Ori; Bur 1032 (B)	132406	5	38.7	-2	36.0	3.8,,6,7.5	Ori	
HD 37742 Zeta Ori; 50 Ori; Alnitak, "the girdle"	132444	5	40.8	-1	56.6	1.7,4	Ori	Sep AB:2.4

Double	SAO #	RA (hr)	RA (min)	Dec Deg	Dec Amin	Mag	Const	Sep
HD 38089	132477	5	42.9	-6	47.8	6.5,,10	Ori	
HD 38495	132515	5	46.0	-4	16.1	6.4,8.7	Ori	Sep AB:7
HD 38824	132549	5	48.2	-8	23.0	7.3,10	Ori	Sep AB:21
HD 40397	132703	5	58.3	-4	38.9	7,9	Mon	Sep AB:179
HD 40635	132733	6	0.1	0	30.1	7.9,10.6	Ori	Sep AB:24
HD 41692	132841	6	6.6	-4	11.6	5.4,11.6	Mon	Sep AB:29
HD 45546	133290	6	28.0	-4	45.7	5,9.2,9.2	Mon	Sep AB:77, Sep AC:81
HD 45725 Beta Mon; 11 Mon; Bur 570	133316	6	28.8	-7	2.0	4.7,5.2,12.2	Mon	Sep AB:7, Sep AC:10
HD 45974	133347	6	30.4	-3	1.3	7.1,11	Mon	Sep AB:13
HD 46644	133424	6	34.3	-3	4.5	6.6,11.7	Mon	Sep AB:57
HD 50281	133805	6	52.3	-5	10.4	6.6,10	Mon	Sep AB:58
HD 50700	133855	6	54.1	-5	51.1	6.4,7.2	Mon	Sep AB:1.2
HD 52611	134073	7	1.9	-1	20.7	6.2,10	Mon	Sep AB:25
HD 54250	134234	7	7.9	-4	40.7	6.9,8.9	Mon	Sep AB:2
HD 54810	134282	7	10.2	-4	14.4	5,12	Mon	Sep AB:55
HD 55185 Delta Mon; 22 Mon; Baillaud 776	134330	7	11.9	0	29.6	4.2,13	Mon	Sep AB:32
HD 58098	134618	7	24.0	-3	58.7	7.1,9.8,10.3	Mon	Sep AB:14, Sep AC:17
HD 59984	134806	7	32.1	-8	52.7	5.9,8.8	Mon	Sep AB:24
HD 61064	134899	7	37.3	-4	6.7	5.2,10.5	Mon	Sep AB:122
HD 61606	134954	7	40.0	-3	35.6	7.7,9.1	Mon	Sep AB:58
HD 65082	135287	7	56.9	-3	27.3	7.6,10.3	Mon	Sep AB:77
HD 66488	135430	8	3.5	-8	10.4	7.4,11.4	Mon	Sep AB:25
HD 67159 A543	135505	8	6.5	-9	14.7	6.3,7.9	Mon	Sep AB:31
HD 71137	135898	8	25.8	0	24.7	7.3,9.8	Hya	Sep AB:39
HD 71297 H VI 118; LM Hya	135916	8	26.4	-3	59.2	5.4,9.2	Hya	Sep AB:74
HD 71663	135958	8	28.5	-2	31.0	6.4,,11.6	Hya	
HD 74217	136201	8	42.5	-8	29.9	7,10.5	Hya	Sep AB:91
HD 74395	136221	8	43.7	-7	14.0	4.6,8.2	Hya	Sep AB:78
HD 74688	136243	8	45.3	-2	36.1	6.4,7.6	Hya	Sep AB:5
HD 75529	136325	8	50.4	-4	11.8	6.9,10.6	Hya	Sep AB:27
HD 75737 15 Hya; H V 20	136345	8	51.6	-7	10.6	5.6,,9.6,10.8	Hya	Sep AB:.8, Sep AC:46, Sep AD:50
HD 76174	136388	8	54.2	-8	45.7	7.8,8.9	Hya	Sep AB:1.1
HD 76370 17 Hya	136409	8	55.5	-7	58.2	6.8,7	Hya	Sep AB:4
HD 77196	136489	9	0.8	-9	11.5	7.3,9.8	Hya	Sep AB:10
HD 79597	136690	9	14.9	-8	45.5	7.3,10.8	Hya	Sep AB:26
HD 80586 27 Hya	136768	9	20.5	-9	33.3	5,6.9	Hya	Sep AB:232
HD 81728 29 Hya; AB = A1588	136861	9	27.2	-9	13.4	7.3,,11.8	Hya	
HD 81797 H V 111; Alphard, "the solitary one", 30 Hya	136871	9	27.6	-8	39.5	2,9.5	Hya	Sep AB:285
HD 81997 Tau 1 Hya; 31 Hya; H 333	136895	9	29.1	-2	46.1	4.6,7.2	Hya	Sep AB:3
HD 89795	137515	10	21.7	-9	46.4	8.2,8.8	Sex	Sep AB:1.5
HD 91106	137614	10	31.0	-7	38.2	6.2,9.9	Sex	Sep AB:3
HD 93742 40 Sex	137808	10	49.3	-4	1.4	7,7.8	Sex	Sep AB:2
HD 93903 41 Sex	137823	10	50.3	-8	53.8	5.8,11.5	Sex	Sep AB:27
HD 95280	137933	11	0.0	-3	28.3	7.3,9.1	Leo	Sep AB:1.5
HD 96064 A676	137978	11	4.7	-4	13.2	7.6,9.5	Leo	Sep AB:11

Double	SAO #	RA (hr)	RA (min)	Dec Deg	Dec Amin	Mag	Const	Sep
HD 98058 Phi Leo; 74 Leo	138102	11	16.7	-3	39.1	4.5,9.3	Leo	Sep AB:97
HD 100070	138243	11	30.8	-6	43.1	7.5,10.7	Leo	Sep AB:10
HD 101154	138314	11	38.4	-2	26.2	6.2,10.4	Vir	Sep AB:5
HD 104711	138555	12	3.5	-2	26.8	7.9,8.7,11.4	Vir	Sep AB:1.3, Sep AC:50
HD 105036	138579	12	5.6	-5	50.8	6.6,12.3	Vir	Sep AB:80
HD 106384 FG Vir	138664	12	14.2	-5	43.1	6.6,12.4,11.6	Vir	Sep AB:25, Sep AC:74
HD 106976	138704	12	18.1	-3	56.9	6.6,7.1	Vir	Sep AB:20
HD 109944	138885	12	38.7	-4	22.4	6.7,9.9	Vir	Sep AB:54
HD 110014 26 Vir	138892	12	39.2	-7	59.7	4.7,8.8,10.7	Vir	Sep AB:173, Sep AC:221
HD 110379 Gamma Vir; 29 Vir; Porrima	138917	12	41.7	-1	27.0	2.9,3.5,12.3,12.2	Vir	Sep AB:2.6, Sep AC:103, Sep AD:124
HD 110836	138948	12	45.0	-8	31.9	7.6,11.2	Vir	Sep AB:8
HD 110886	138952	12	45.3	-3	53.3	7.3,8.2	Vir	Sep AB:16
HD 112142 40 Vir	139033	12	54.3	-9	32.3	4.8,9	Vir	Sep AB:31
HD 112372	139049	12	56.2	-4	51.9	7,8.5	Vir	Sep AB:7
HD 112398	139053	12	56.4	0	57.2	6.6,7.6	Vir	Sep AB:1
HD 112846 44 Vir	139086	12	59.7	-3	48.7	5.8,11	Vir	Sep AB:21
HD 113459 48 Vir	139131	13	3.9	-3	39.8	7.2,7.5	Vir	Sep AB:.8
HD 114330 Theat Vir; AC = H N 50	139189	13	9.9	-5	32.3	4.4,9.4,10.4	Vir	Sep AB:7, Sep AC:71
HD 117436 72 Vir	139370	13	30.4	-6	28.2	6.1,11.4	Vir	Sep AB:30
HD 118024	139415	13	34.3	-8	37.1	7.9,8.4	Vir	Sep AB:1.2
HD 118036	139416	13	34.3	0	18.9	7.4,8.7,11.7	Vir	Sep AB:1.6, Sep AC:45
HD 118511 81 Vir	139447	13	37.6	-7	52.3	7.9,7.9,11	Vir	Sep AB:3, Sep AC:14
HD 119461	139507	13	43.5	-4	16.4	7.1,7.9	Vir	Sep AB:28
HD 121325	139618	13	55.0	-8	3.5	6.2,7.7,10.3,10.9	Vir	Sep AB:3, Sep AC:128
HD 125818	139889	14	22.0	-8	5.5	7.2,12.8	Vir	Sep AB:31
HD 125906	139898	14	22.6	-7	46.1	7.6,7.6,12.9	Vir	Sep AB:5, Sep AC:104
HD 126868 Phi Vir; 105 Vir	139951	14	28.2	-2	13.7	5,9.3,12.4	Vir	Sep AB:5, Sep AC:93
HD 127168	139969	14	30.0	-4	14.8	7.1,10.5	Vir	Sep AB:25
HD 130089	140128	14	46.4	-7	22.9	7.8,8.9,10.9	Vir	Sep AB:1.2, Sep AC:66
HD 132883	140278	15	1.6	-3	9.8	6.7,10	Lib	Sep AB:28
HD 137763	140550	15	28.1	-9	20.6	6.9,7.6	Lib	Sep AB:52
HD 139461	140672	15	38.6	-8	47.5	6.5,6.6	Lib	Sep AB:12
HD 142661	140842	15	55.9	-2	9.8	7,10.1	Ser	Sep AB:5
HD 144362	140945	16	5.7	-6	17.5	6.4,10.2,11.1,10.3	Oph	Sep AB:1, Sep AC:29, Sep AD:53
HD 146433	141069	16	16.3	-1	38.9	7.1,9.1,11.1	Ser	Sep AB:21, Sep AC:93
HD 146791 2 Oph; Yed Posterior, "the following star"	141086	16	18.3	-4	41.6	3.2,12.4	Oph	Sep AB:111
HD 148515	141195	16	28.8	-8	7.7	6.5,9.2,11.8	Oph	Sep AB:6, Sep AC:132
HD 150935	141335	16	44.3	0	33.4	7.4,10.4	Oph	Sep AB:14
HD 153687	141483	17	1.1	-4	13.3	5,9.8	Oph	Sep AB:94
HD 154660	141522	17	6.9	-1	39.4	6.3,9.5	Oph	Sep AB:21
HD 158576	141701	17	30.3	-4	22.1	6.7,11.5	Oph	Sep AB:11
HD 158614	141702	17	30.4	-1	3.6	5.3,6.1	Oph	Sep AB:1.1
HD 159525	141746	17	35.5	-5	55.9	8.1,11.3,10.2	Oph	Sep AB:28, Sep AC:28
HD 160388	141793	17	39.8	-4	58.1	7.8,8.4	Oph	Sep AB:26
HD 162834	141942	17	53.2	-5	55.7	6.9,11.2	Oph	Sep AB:33

Double	SAO #	RA (hr)	RA (min)	Dec Deg	Dec Amin	Mag	Const	Sep
HD 164764 Tau Oph; 69 Oph	142050	18	3.1	-8	10.8	4.8,5.9,9.3	Oph	Sep AB:1.8, Sep AC:100
HD 166761	142150	18	12.4	-7	17.8	7.6,11	Ser	Sep AB:66
HD 168459	142229	18	20.1	-7	58.9	6.5,9.1	Ser	Sep AB:2
HD 168723 Eta Ser; 58 Ser	142241	18	21.3	-2	53.3	3.2,12.1	Ser	Sep AB:180
HD 169392	142290	18	24.7	-6	36.2	7.2,8.8	Sct	Sep AB:6
HD 172348	142480	18	40.0	-7	47.4	5.8,10.9	Sct	Sep AB:22
HD 172748 Delta Sct; AC = H V 36	142515	18	42.3	-9	3.2	4.7,12.2,9.2	Sct	Sep AB:15, Sep AC:53
HD 174005	142640	18	48.6	-6	0.3	6.5,9.5	Sct	Sep AB:38
HD 174069	142648	18	49.0	-8	27.5	7.8,10.9,10.1	Sct	Sep AB:54, Sep AC:21
HD 174208 H 50	142661	18	49.7	-5	54.8	6,12.1,8.1	Sct	Sep AB:23, Sep AC:114
HD 174325 SS Sct	142674	18	50.3	-7	54.4	6.8,11.9	Sct	Sep AB:14
HD 176415	142908	19	0.6	-8	6.5	7.8,8.4	Aql	Sep AB:31
HD 176531	142915	19	0.8	0	27.3	7.2,11.8	Aql	Sep AB:22
HD 176678	142931	19	1.7	-5	44.3	5.9,7.3	Aqr	Sep AB:3
HD 177880	143029	19	6.6	-1	20.8	6.8,9.7	Aql	Sep AB:14
HD 179799	143163	19	14.3	-8	43.1	6.5,11	Aql	Sep AB:26
HD 180783	143235	19	17.9	0	56.6	7.3,11.7	Aql	Sep AB:20
HD 180785 Hough 574 (C)	143237	19	18.1	-5	25.4	7.4,9.9,12.2	Aql	Sep AB:33, Sep AC:16
HD 181255	143275	19	20.0	-6	37.7	6.9,10.3	Aql	Sep AB:25
HD 181391	143286	19	20.5	-5	25.0	5.1,11.9	Aql	Sep AB:116
HD 181806	143315	19	22.1	-4	44.3	7.7,10.2	Aql	Sep AB:19
HD 183518	143469	19	30.1	0	26.7	7.3,9.9	Aql	Sep AB:22
HD 183794 V822 Aql; Dembowski 20	143494	19	31.3	-2	6.6	7.1,10.4	Aql	Sep AB:7
HD 186158	143722	19	43.0	-8	18.4	7.1,7.5	Aql	Sep AB:95
HD 188154 56 Aql	143894	19	54.1	-8	34.4	5.8,11.9	Aql	Sep AB:47
HD 188294 57 Aql	143899	19	54.6	-8	14.2	5.8,6.5	Aql	Sep AB:35
HD 188938 Hough 155	143951	19	57.9	-9	3.5	7.5,10.3,8	Aql	Sep AB:10, Sep AC:13
HD 189759	144002	20	1.7	0	11.9	7.2,8.1	Aql	Sep AB:2
HD 189923	144017	20	2.6	-3	20.5	8.2,12.2	Aql	Sep AB:14
HD 191692 65 Aql; H VI 27	144150	20	11.3	0	49.3	3.2,13	Aql	Sep AB:114
HD 191709	144151	20	11.3	0	7.6	7.1,7.9	Aql	Sep AB:56
HD 192007	144173	20	12.8	-2	59.8	6.9,9.5	Aql	Sep AB:3
HD 192290	144199	20	14.4	-6	2.8	7.4,9.3	Aql	Sep AB:20
HD 192461	144212	20	15.2	-3	30.2	6.9,8	Aql	Sep AB:14
HD 194765	144450	20	27.4	-2	6.1	6.7,7.5,10.7	Aql	Sep AB:58, Sep AC:45
HD 195767	144563	20	33.4	-6	13.2	7,10.4	Aql	Sep AB:37
HD 196574 71 Aql	144649	20	38.3	-1	6.3	4.3,10.8	Aql	Sep AB:32
HD 198571 4 Aqr	144877	20	51.4	-5	37.6	6.3,7.6,12.9,9.4	Aqr	Sep AB:.8, Sep AC:73, Sep AD:131
HD 201098	145121	21	7.5	0	9.8	6.6,9.8	Aqr	Sep AB:24
HD 201719	145185	21	11.6	-3	7.2	7.5,11.1	Aqr	Sep AB:8
HD 202260	145230	21	14.7	0	49.9	7.4,10.3,9.5	Aqr	Sep AB:21, Sep AC:168
HD 204867 22 Aqr; Sadal Sund; h936	145457	21	31.5	-5	34.3	2.9,10.9	Aqr	Sep AB:34
HD 205765	145533	21	37.5	0	23.4	6.2,9.3	Aqr	Sep AB:31
HD 206058 24 Aqr	145566	21	39.5	0	3.1	7.2,7.6	Aqr	Sep AB:.6
HD 209750 Sadal melik, "the lucky one of the king"	145862	22	5.8	0	19.2	3.2,12.2	Aqr	Sep AB:113

Double	SAO #	RA (hr)	RA (min)	Dec Deg	Dec Amin	Mag	Const	Sep
HD 212404 51 Aqr	146067	22	24.1	-4	50.2	6.5,10.1,8.5	Aqr	Sep AB:54, Sep AC:131
HD 213051 Zeta Aqr; 55 Aqr; Luyten 4971	146107	22	28.8	0	1.2	3.7,4.5	Aqr	Sep AB:2
HD 213293	146130	22	30.5	-8	6.9	7.4,8.7	Aqr	Sep AB:8
HD 213789	146160	22	34.0	-1	34.4	5.9,10.3	Aqr	Sep AB:98
HD 214376 Kappa Aur; 63 Aqr	146210	22	37.8	-4	13.6	5,8.8	Aqr	Sep AB:98
HD 214983	146251	22	42.1	-5	6.1	6.3,11.1,10.3	Aqr	Sep AB:75, Sep AC:162
HD 215114	146271	22	43.0	-8	18.7	6.5,7.9,10.7	Aqr	Sep AB:2, Sep AC:70
HD 215449	146296	22	45.3	-9	38.7	7.4,10.4	Aqr	Sep AB:11
HD 215812	146315	22	47.8	-4	13.5	6.7,7.8,8.5	Aqr	Sep AB:3, Sep AC:51
HD 216931	146402	22	57.1	-3	14.7	6.6,10.1	Psc	Sep AB:11
HD 219449 Psi 1 Aqr; 91 Aqr; Bur 1220	146598	23	15.9	-9	5.3	4.2,9.9,13.5	Aqr	Sep AB:48, Sep AC:20
HD 219542	146605	23	16.6	-1	35.2	8.1,8.7	Psc	Sep AB:5
HD 219877 96 Aqr	146639	23	19.4	-5	7.5	5.6,10.5	Aqr	Sep AB:11
HD 223252 20 Psc	146915	23	47.9	-2	45.7	5.6,10	Psc	Sep AB:173
HD 2760 Bur 1158	147317	0	31.0	-10	5.1	6,8.5	Cet	Sep AB:79
HD 3794	147395	0	40.5	-16	31.0	6.9,9.1,11	Cet	Sep AB:105, Sep AC:92
HD 4048	147415	0	42.8	-9	55.3	6.6,9.6	Cet	Sep AB:39
HD 4338	147436	0	45.7	-16	25.5	6.5,9.5	Cet	Sep AB:3
HD 5617	147537	0	57.6	-18	59.9	6.9,10.2	Cet	Sep AB:3
HD 5659	147543	0	58.1	-15	41.0	6.6,7.9	Cet	Sep AB:6
HD 6805 31 Cet; Deneb Kaitos, "the tale of the whale"	147632	1	8.6	-10	10.8	3.5,10.8	Cet	Sep AB:234
HD 8071 Hussey 6	147741	1	19.9	-15	48.8	6.7,7.7	Cet	Sep AB:2
HD 8350	147767	1	22.5	-19	4.8	6.5,8.8	Cet	Sep AB:5
HD 8957	147822	1	28.1	-17	15.7	7.4,9.4	Cet	Sep AB:12
HD 9336	147861	1	31.6	-19	1.4	6.9,7.4	Cet	Sep AB:78
HD 10453	147962	1	41.7	-11	19.1	5.8,7.4	Cet	Sep AB:1
HD 11171 53 Cet	148036	1	49.6	-10	41.1	4.7,6.7	Cet	Sep AB:184
HD 11964	148123	1	57.2	-10	14.3	6.4,10.6	Cet	Sep AB:30
HD 14044	148304	2	16.2	-9	49.3	7.5,9.8	Cet	Sep AB:59
HD 15118	148382	2	25.8	-10	37.6	8,10.4	Cet	Sep AB:10
HD 15144 AB Cet	148386	2	26.0	-15	20.4	5.9,8.8,10.8	Cet	Sep AB:12, Sep AC:108
HD 20631	148897	3	18.7	-18	33.5	5.8,9.1	Eri	Sep AB:7
HD 21160	148943	3	24.4	-13	59.6	6.9,9.8	Eri	Sep AB:2
HD 22968	149104	3	40.8	-12	37.0	7.6,9	Eri	Sep AB:43
HD 26846 39 Eri	149478	4	14.4	-10	15.2	5.1,8,9.5	Eri	Sep AB:6, Sep AC:149
HD 28763	149702	4	31.4	-13	38.6	6.3,9.1	Eri	Sep AB:30
HD 29482	149776	4	38.0	-13	1.7	7.3,7.8	Eri	Sep AB:12
Hussey 104	149867	4	45.8	-11	56.9	8,,10.2	Eri	
HD 31925	150052	4	59.0	-16	22.7	5.9,7.3,8.2	Lep	Sep AB:.8, Sep AC:53
HD 32179	150076	5	0.7	-13	30.2	7.2,9	Eri	Sep AB:6
HD 33802 Iota Lep; 3 Lep	150223	5	12.3	-11	52.1	4.5,10.8	Lep	Sep AB:13
HD 33949 Kappa Lep; 4 Lep	150239	5	13.2	-12	56.5	4.4,7.4	Lep	Sep AB:3
HD 34527	150303	5	17.6	-15	13.2	7,8.7	Lep	Sep AB:20
HD 34798	150335	5	19.3	-18	31.2	6.4,6.5,9	Lep	Sep AB:39, Sep AC:128
HD 35320	150397	5	23.6	-10	25.1	7.5,8.8	Ori	Sep AB:1.2

Double	SAO #	RA (hr)	RA (min)	Dec Deg	Dec Amin	Mag	Const	Sep
HD 35736	150442	5	26.0	-19	41.7	5.8,7.5	Lep	Sep AB:27
HD 36673 Alpha Lep; Arneb	150547	5	32.7	-17	49.3	2.7,11.2,12	Lep	Sep AB:36, Sep AC:91
HD 38904	150823	5	48.5	-13	21.5	7.4,10.8	Lep	Sep AB:27
HD 39070	150845	5	49.6	-14	29.0	5.5,9.5	Lep	Sep AB:2
HD 39817	150927	5	54.4	-15	43.9	7.7,11	Lep	Sep AB:45
HD 40967 3 Mon	151037	6	1.8	-10	35.9	5,8.5	Mon	Sep AB:1.8
HD 42116 4 Mon	151154	6	8.4	-11	8.8	6.8,10.8,11.8	Lep	Sep AB:3, Sep AC:9
HD 43628	151303	6	16.7	-12	2.8	7,8.7	CMa	Sep AB:1.7
HD 44458 FR CMa	151401	6	21.4	-11	46.4	5.5,9.2	CMa	Sep AB:4
HD 44743 2 CMa; Murzim	151428	6	22.7	-17	57.4	2,9.8	CMa	Sep AB:188
HD 44996	151461	6	24.3	-12	57.7	6.1,10.2	CMa	Sep AB:23
HD 45016	151462	6	24.3	-16	13.5	7,8.6	CMa	Sep AB:16
HD 46035	151583	6	30.5	-14	57.2	6.8,10.4	CMa	Sep AB:21
HD 46064	151585	6	30.6	-13	8.9	6.2,11.2	CMa	Sep AB:36
HD 47011	151681	6	35.8	-16	6.2	7.4,11.2	CMa	Sep AB:11
HD 47138 Nu 1 CMa; 6 CMa; Hh 239; H IV 81	151694	6	36.4	-18	39.6	5.7,8.5	CMa	Sep AB:17
HD 48287	151807	6	42.0	-16	0.4	7,9.3	CMa	Sep AB:4
HD 48915 Alpha CMa; 9 CMa; Sirius, "the scorching one"	151881	6	45.2	-16	42.0	-1.5,8.5	CMa	Sep AB:5
HD 49662	151962	6	49.0	-15	8.7	5.4,8.1	CMa	Sep AB:.9
HD 50067	152011	6	51.2	-10	5.1	7.1,10.9	Mon	Sep AB:16
HD 51250 Mu CMa; 18 CMa	152123	6	56.1	-14	2.6	5.3,8.6,10.5,10.7	CMa	Sep AB:3, Sep AC:88, Sep AD:101
HD 53755 V569 Mon, Dembowski 12	152363	7	5.8	-10	39.6	6.5,,9.6	Mon	
HD 53974 FN CMa; Bur 328	152394	7	6.7	-11	17.7	5.4,9.1	CMa	Sep AB:18
HD 54764	152477	7	9.5	-16	14.1	6,11.3	CMa	Sep AB:33
HD 56593	152660	7	17.1	-12	2.0	6.7,9.1	CMa	Sep AB:16
HD 59074	152905	7	27.6	-18	29.5	6.9,7.6	CMa	Sep AB:40
HD 59067 Bur 332	152909	7	27.9	-11	33.4	5.8,8.9	CMa	
HD 59438	152943	7	29.4	-14	59.7	6.1,7.5,10.7,11.2	Pup	Sep AB:2, Sep AC:20, Sep AD:42
HD 61224	153172	7	37.6	-14	26.5	6.5,8.9	Pup	Sep AB:66
HD 61774	153225	7	40.2	-19	39.7	5.9,10.7	Pup	Sep AB:8
HD 62864 2 Pup; PV Pup	153363	7	45.5	-14	41.4	6.1,6.8,10.4	Pup	Sep AB:17, Sep AC:100
HD 63336 5 Pup	153414	7	47.9	-12	11.6	5.6,7.7	Pup	Sep AB:2
HD 64259	153522	7	52.5	-13	51.7	6.6,10.2	Pup	Sep AB:24
HD 64611	153563	7	54.1	-18	19.8	6.9,11,9.9	Pup	Sep AB:19, Sep AC:67
HD 68290	153942	8	11.3	-12	55.6	4.7,9.4	Pup	
HD 69530	154061	8	16.9	-15	9.1	7.2,11.8	Pup	Sep AB:30
HD 73603	154492	8	38.7	-19	44.2	6.4,9.4	Pyx	Sep AB:4
HD 75916	154704	8	52.5	-13	14.0	6.1,11.4	Hya	Sep AB:34
HD 76376	154745	8	55.2	-18	14.5	5.8,7.1	Hya	Sep AB:67
HD 76635 Bur 210	154781	8	56.8	-17	26.0	7.3,7.5	Hya	Sep AB:3.5
HD 78392	154926	9	7.7	-10	29.4	7.9,11.4	Hya	Sep AB:13
HD 78642	154946	9	9.0	-14	11.1	7.6,11.3	Hya	Sep AB:33
HD 78891	154967	9	10.2	-16	51.7	7,10.9	Hya	Sep AB:25
HD 80971	155129	9	22.5	-17	53.6	6.8,10.8	Hya	Sep AB:8
HD 82508	155267	9	32.2	-10	50.6	7.8,9.1	Hya	Sep AB:5

Double	SAO #	RA (hr)	RA (min)	Dec Deg	Dec Amin	Mag	Const	Sep
HD 82661	155280	9	32.9	-14	0.0	7.2,9.7,8.7	Hya	Sep AB:7, Sep AC:166
HD 83104	155323	9	35.6	-19	35.0	6.3,9.4	Hya	Sep AB:51
HD 87344 Bur 1072	155704	10	4.0	-18	6.1	6.3,7.1,12.1	Hya	Sep AB:21, Sep AC:12
HD 87998	155757	10	8.3	-19	45.0	7.3,11	Hya	Sep AB:5
HD 88284 Lambda Hya; 41 Hya	155785	10	10.6	-12	21.2	3.6,11.5	Hya	Sep AB:112
HD 93527	156233	10	47.6	-15	37.6	7.7,8.9,10.1	Hya	Sep AB:31, Sep AC:99
HD 93526	156235	10	47.6	-15	15.7	6.7,7.9	Hya	Sep AB:69
HD 95808	156421	11	3.2	-11	18.1	5.6,10.6	Crv	Sep AB:4
HD 99211 Gamma Crt; 15 Crt	156661	11	24.9	-17	41.0	4.1,9.6	Crt	Sep AB:5
HD 99564 Kappa Crt; 16 Crt	156685	11	27.2	-12	21.4	5.9,13	Crt	Sep AB:28
HD 101369	156820	11	39.8	-14	28.1	6.2,12.2	Crt	Sep AB:8
HD 102574	156896	11	48.4	-10	18.7	6.2,9.2	Crt	Sep AB:88
HD 105590	157111	12	9.4	-11	51.3	6.8,8.5	Crv	Sep AB:10
HD 105913	157133	12	11.4	-16	47.4	6.9,7.2	Crv	Sep AB:6
HD 108767 Delta Crv; 7 Crv; Algorab; H 396	157323	12	29.9	-16	30.8	2.9,9.2	Crv	Sep AB:24
HD 108799 Leavenworth	157326	12	30.1	-13	23.6	6.5,11.1	Crv	Sep AB:2
HD 109005	157339	12	31.6	-11	4.3	8,8.4	Vir	Sep AB:15
HD 109349	157369	12	34.1	-18	11.7	7.3,9.9	Crv	Sep AB:1
HD 109557 Finsen 368	157382	12	35.7	-16	49.6	6.7,,11	Crv	
HD 110317	157447	12	41.3	-13	0.8	6,6.1,10.5	Crv	Sep AB:5, Sep AC:59
HD 110662	157473	12	43.8	-12	0.8	6.6,11.8	Crv	Sep AB:9
HD 114642	157788	13	12.0	-16	11.7	5,12.5,10.1	Vir	Sep AB:79, Sep AC:235
HD 115080	157815	13	14.9	-11	21.9	7,8.1	Vir	Sep AB:79
HD 115368	157831	13	17.0	-13	9.5	7.8,14	Vir	Sep AB:43
HD 115617 H 90	157844	13	18.5	-18	17.8	4.8,10.3	Vir	Sep AB:32
HD 116275	157895	13	22.8	-13	11.2	7.8,10.8	Vir	Sep AB:19
HD 116658 67 Vir; Spica, "the ear of wheat"	157923	13	25.2	-11	9.7	1.2,12	Vir	Sep AB:148
HD 117789 75 Vir	157998	13	32.9	-15	21.8	5.6,11.2	Vir	Sep AB:80
HD 119786 85 Vir	158147	13	45.6	-15	46.0	6.2,11.7	Vir	Sep AB:44
HD 119853 86 Vir; Bur 935 (AB, CD)	158152	13	45.9	-12	25.6	5.8,,10.8,11.9	Vir	
HD 123453	158372	14	8.1	-12	55.6	7.6,8.9	Vir	Sep AB:6
HD 126105	158538	14	24.0	-19	48.0	7.3,11.9	Lib	Sep AB:31
HD 126251	158550	14	24.7	-11	40.2	6.5,8.3	Lib	Sep AB:1.2
HD 126363	158554	14	25.3	-13	21.2	6.5,10	Lib	Sep AB:40
HD 129978 5 Lib	158788	14	46.0	-15	27.6	6.6,11.3	Lib	Sep AB:3
HD 130412	158813	14	48.5	-17	20.4	7.4,8.2	Lib	Sep AB:2
HD 130559 Mu Lib; 7 Lib	158821	14	49.3	-14	8.9	5.3,6.7	Lib	Sep AB:2
HD 130841 Alpha 2 Lib; Zubenelgenubi	158840	14	50.9	-16	2.4	2.9,5.3	Lib	Sep AB:231
HD 132345 18 Lib	158946	14	58.9	-11	8.6	5.8,10,11.5	Lib	Sep AB:20, Sep AC:162
HD 134759 Iota Lib; H IV 44; Bb = Bur 618; H VI 44	159090	15	12.2	-19	47.5	4.5,9.4	Lib	Sep AB:58
HD 135208	159118	15	14.5	-18	25.7	6.8,8.5	Lib	Sep AB:47
HD 136407 29 Lib	159191	15	21.0	-15	32.9	6.1,8.4	Lib	Sep AB:44
HD 137631	159271	15	27.5	-10	57.7	7.8,9.1	Lib	Sep AB:9
HD 138268 South 672	159317	15	31.7	-20	9.9	6.3,9	Lib	Sep AB:11
HD 138905 38 Lib	159370	15	35.5	-14	47.4	3.9,11.1	Lib	Sep AB:42

Double	SAO #	RA (hr)	RA (min)	Dec Deg	Dec Amin	Mag	Const	Sep
HD 139628	159421	15	39.9	-19	46.1	7.6,7.8	Lib	Sep AB:2
HD 139997 43 Lib	159442	15	41.9	-19	40.6	4.8,10	Lib	Sep AB:172
HD 140164	159453	15	42.8	-16	0.8	7.3,8.4,10	Lib	Sep AB:2, Sep AC:113
HD 142804	159598	15	57.1	-16	2.0	6.5,12.3	Lib	Sep AB:35
HD 143333	159625	16	0.4	-16	31.7	5.5,11.1	Lib	Sep AB:155
HD 144069 Xi Sco; Abetti	159665	16	4.4	-11	22.4	4.2,5.1,7.2	Sco	Sep AB:.8, Sep AC:8
HD 144087	159668	16	4.4	-11	27.0	7.4,8	Sco	Sep AB:12
HD 144217 Beta Sco; 8 Sco; Graffias, "the crab"	159682	16	5.4	-19	48.3	2.6,,4.9	Sco	
HD 144708 11 Sco	159715	16	7.6	-12	44.7	5.6,9.9	Sco	Sep AB:3
HD 145502 Nu Sco; 14 Sco; Jabbah; Lesath; H V 6; H 497	159764	16	12.0	-19	27.6	4.3,7.8,6.4	Sco	Sep AB:1, Sep AC:41
HD 145996	159803	16	14.3	-10	24.9	7.3,,10.4	Sco	
HD 147010 V933 Sco	159860	16	20.1	-20	3.4	7.4,8.1	Sco	Sep AB:47
HD 148786 Phi Oph; 8 Oph	159963	16	31.1	-16	36.7	4.3,12.9,11.2	Oph	Sep AB:34, Sep AC:120
HD 149108	159972	16	32.9	-10	33.8	6.8,11.8	Oph	Sep AB:14
HD 154520	160280	17	6.5	-13	56.1	7.5,8.2	Oph	Sep AB:2
HD 155125 Eta Oph; 35 Oph; Sabik	160332	17	10.4	-15	43.6	2.6,,12.2,10.7	Oph	
HD 156717	160462	17	19.9	-17	45.4	6.3,7.4,11.3	Oph	Sep AB:2, Sep AC:11
HD 156928 Nu Ser; 53 Ser; H 535	160479	17	20.8	-12	50.8	4.3,8.3	Ser	Sep AB:47
HD 159358	160653	17	34.8	-11	14.5	5.5,9.8	Ser	Sep AB:55
HD 162956	160896	17	54.1	-11	20.3	6.5,11.2	Ser	Sep AB:29
HD 163117	160899	17	54.9	-11	37.9	7,10.8,12.5	Ser	Sep AB:4, Sep AC:66
HD 163336	160915	17	56.3	-15	48.7	5.9,8.9	Ser	Sep AB:21
HD 165421	161077	18	6.7	-18	59.0	8,10.1	Sgr	Sep AB:36
HD 166393 See 501	161153	18	11.2	-19	50.5	6.9,7.3	Sgr	Sep AB:1.2
HD 167356 Bur 299	161227	18	15.5	-18	39.7	6.1,11.8	Sgr	Sep AB:10
HD 167863	161278	18	17.8	-18	47.9	6.7,9.3,12.5	Sgr	Sep AB:54, Sep AC:22
HD 168021 Bur 639	161304	18	18.7	-18	37.2	6.8,7.8	Sgr	Sep AB:17
HD 168815 Dembowski 18; Mitchell	161390	18	22.2	-15	5.3	6.5,7.1,7.1	Sct	Sep AB:10, Sep AC:10
HD 169915 CD=ADS 11358?	161490	18	27.5	-15	22.5	7,10.3	Sct	Sep AB:120
HD 173457	161805	18	45.9	-10	29.6	7,8.2	Sct	Sep AB:4
HD 173822	161835	18	48.0	-16	46.6	6.9,11.8	Sgr	Sep AB:34
HD 174802	161935	18	53.1	-18	38.2	6.8,11.8	Sgr	Sep AB:18
HD 176884	162130	19	3.1	-19	14.7	6,9.5,10.7	Sgr	Sep AB:7, Sep AC:20
HD 177517	162177	19	5.7	-15	39.6	5.9,12.4	Sgr	Sep AB:47
HD 177817	162201	19	6.9	-16	13.7	5.9,9.9	Sgr	Sep AB:6
HD 179853	162361	19	14.8	-17	20.8	7.5,11.1	Sgr	Sep AB:28
HD 180409	162401	19	16.9	-10	58.3	7,10.4	Aql	Sep AB:39
HD 180562	162417	19	17.7	-15	58.0	7,7.5	Sgr	Sep AB:8
HD 180699	162432	19	18.2	-18	51.8	7,10.3	Sgr	Sep AB:40
HD 180928	162462	19	19.0	-15	32.0	6.1,13	Sgr	Sep AB:49
HD 181558	162511	19	21.6	-19	14.1	6.3,9.9	Sgr	Sep AB:91
HD 185068	162829	19	37.7	-9	58.5	7.2,10.8	Aql	Sep AB:82
HD 185298	162843	19	38.7	-10	9.4	6.6,8.7,11.4	Aql	Sep AB:4, Sep AC:26
HD 185344	162853	19	39.2	-16	54.5	7.3,7.5	Sgr	Sep AB:10
HD 185644 54 Sgr	162883	19	40.7	-16	17.6	5.4,11.9,8.9	Sgr	Sep AB:46, Sep AC:38

Double	SAO #	RA (hr)	RA (min)	Dec Deg	Dec Amin	Mag	Const	Sep
HD 187306	163020	19	49.8	-11	24.5	7.3,10.7	Aql	Sep AB:38
HD 190723	163267	20	6.7	-12	55.6	7.6,11.4	Sgr	Sep AB:13
HD 191862 2 Cap	163337	20	12.4	-12	36.9	5.8,12.1	Cap	Sep AB:72
HD 192947 Alpha 2 Cap; 5 Cap; AE is SI 51; H32	163427	20	18.0	-12	32.7	3.6,9.5,4.2	Cap	Sep AB:155, Sep AC:378
HD 193150 Sigma Cap; 7 Cap; H V 87	163445	20	19.4	-19	7.1	5.3,9.2	Cap	Sep AB:56
HD 193432 Nu Cap; 8 Cap; Al shat	163468	20	20.6	-12	45.5	4.8,11.8	Cap	Sep AB:54
HD 193495 Beta 2 Cap; 9 Cap; Dabih	163481	20	21.0	-14	46.9	3.4,6.2,9	Cap	Sep AB:205, Sep AC:227
HD 194636 10 Cap; Bur 60; Mitchell	163592	20	27.3	-18	12.7	5.1,8.9	Cap	Sep AB:3
HD 194943 Rho Cap; 11 Cap; Bur 61; H 668	163614	20	28.9	-17	48.8	4.8,10,13.2	Cap	Sep AB:.5, Sep AC:55
HD 195094 Omicron Cap; 12 Cap; H 689	163626	20	29.9	-18	34.9	5.9,6.7	Cap	Sep AB:22
HD 195564	163665	20	32.4	-9	51.3	5.8,11.7,10	Cap	Sep AB:4.7, Sep AC:103
HD 196662 14 Cap; Hussey 200 (Aa)	163771	20	39.3	-14	57.3	5.2,12.1	Cap	Sep AB:159
HD 198063	163895	20	48.4	-18	12.1	7.1,7.1	Cap	Sep AB:15
HD 200968 Bur 157	164147	21	7.1	-13	55.3	7.1,11.2	Aqr	Sep AB:5
HD 205637 39 Cap; H VI 6	164520	21	37.1	-19	28.0	4.5,10.1	Cap	Sep AB:68
HD 206288	164579	21	41.5	-14	50.5	7.2,11	Cap	Sep AB:18
HD 207098 Delta Cap; 49 Cap; Deneb Algedi	164644	21	47.0	-16	7.4	2.9,12.7	Cap	Sep AB:119
HD 208621	164768	21	57.8	-15	7.4	7.4,11.1	Cap	Sep AB:18
HD 209154 Howe 59	164819	22	1.5	-15	36.7	7.1,10.6,10.2	Aqr	Sep AB:9, Sep AC:103
HD 209278 29 Aqr; DX Aqr	164830	22	2.4	-16	57.9	7.2,7.4,11.7	Aqr	Sep AB:4, Sep AC:143
HD 212698 53 Aqr; H N 762	165078	22	26.5	-16	44.5	6.4,6.6	Aqr	Sep AB:3
HD 214657	165223	22	40.0	-19	11.9	7.3,10.8	Aqr	Sep AB:11
Tau 1 Aqr	165298	22	47.7	-14	3.4	5.7	Aqr	23
HD 216032 71 Aqr; H VI 97	165321	22	49.6	-13	35.5	4.1,8.7	Aqr	Sep AB:133
HD 217684	165456	23	2.6	-18	32.5	6.8,8.8,8.8	Aqr	Sep AB:1.1
HD 218928	165551	23	12.0	-11	56.0	7.2,7.8	Aqr	Sep AB:4
HD 219834 94 Aqr	165625	23	19.1	-13	27.5	5.3,7.3	Aqr	Sep AB:13
HD 222093	165804	23	37.7	-13	3.6	5.7,9.6	Aqr	Sep AB:33
HD 222574 104 Aqr	165836	23	41.8	-17	49.0	5.1,7.9	Aqr	Sep AB:121
HD 222661 Omega 2 Aqr	165842	23	42.7	-14	32.6	4.5,10.5	Aqr	Sep AB:6
HD 223024 H II 24	165867	23	46.0	-18	40.7	5.7,6.7	Aqr	Sep AB:6
107 Aqr	165868	23	46.0	-18	40.8	5.8	Aqr	7
HD 493 Kappa 1 Scl; 10 Scl	166083	0	9.3	-27	59.3	5.4,6.3	Scl	Sep AB:1.4
HD 1766 Rossiter 5493	166213	0	21.9	-23	0.4	7.4,8.5	Cet	Sep AB:6
HD 2947	166344	0	32.7	-25	21.5	6.7,11.4	Scl	Sep AB:22
HD 3605	166443	0	38.8	-25	6.5	6.4,9.6	Scl	Sep AB:46
HD 5058	166640	0	52.2	-22	36.9	7.1,8.3,11.9	Cet	Sep AB:1.8, Sep AC:32
HD 5098	166647	0	52.7	-24	0.4	5.5,9.7	Cet	Sep AB:11
HD 5156 USNO 1	166651	0	53.2	-24	46.7	6.4,8.4	Cet	Sep AB:5
HD 8487	167011	1	23.6	-24	21.2	6.7,8.8	Cet	Sep AB:3
HD 10830 Epsilon Scl; 5 Scl	167275	1	45.6	-25	3.1	5.5,8.6,11.5	Scl	Sep AB:5, Sep AC:142
HD 12180 AA Cet	167451	1	59.0	-22	55.2	6.7,7.7	Cet	Sep AB:8
HD 14758	167730	2	22.0	-29	21.0	8.1,10.3	For	Sep AB:10
HD 15588	167832	2	29.9	-22	41.0	6.8,12.5	Cet	Sep AB:28
HD 16046 Omega For; 24 For	167882	2	33.8	-28	13.9	5,7.7	For	Sep AB:11

Double	SAO #	RA (hr)	RA (min)	Dec Deg	Dec Amin	Mag	Const	Sep
HD 16263	167903	2	36.0	-21	24.2	7.1,8.8	Cet	Sep AB:14
HD 16994	167995	2	42.9	-20	17.4	7.5,9.9	Cet	Sep AB:19
HD 17082	168005	2	43.7	-27	54.0	7.9,9.4,9.8	For	Sep AB:3, Sep AC:70
HD 17713 Gamma 1 For; 3 For; AC=h2161	168081	2	49.8	-24	33.5	6.1,13.5,10.5	For	Sep AB:12, Sep AC:41
HD 18455 Bur 741	168181	2	57.2	-24	58.1	7.3,8.2,7.8	For	Sep AB:29
HD 19096	168268	3	3.8	-21	21.7	7.5,11.3	Eri	Sep AB:12
HD 20010 Alpha For; 3 For	168373	3	12.0	-28	59.8	3.9,7	For	Sep AB:5
HD 20720 Tau 4 Eri; 16 Eri; Angetenar	168460	3	19.5	-21	45.5	3.7,9.2,10.5	Eri	Sep AB:6, Sep AC:40
HD 20782	168469	3	20.0	-28	51.2	7.4,	For	Sep AB:253
HD 20911	168485	3	21.7	-20	19.5	6.7,12.6	Eri	Sep AB:34
HD 21460	168549	3	26.7	-28	33.6	7.5,11.7	For	Sep AB:10
HD 24359	168895	3	51.7	-22	55.9	7.9,9.7	Eri	Sep AB:11
HD 26770	169233	4	13.0	-28	32.5	7.5,8.3	Eri	Sep AB:2
HD 27710 CD = h3644	169368	4	21.5	-25	43.7	6.6,6.9,12.3,8.9	Eri	Sep AB:.8, Sep AC:39, Sep AD:45
HD 28396	169475	4	27.9	-21	30.2	7.3,7.7	Eri	Sep AB:1.5
HD 29198	169585	4	34.9	-25	2.3	7.3,10.5	Eri	Sep AB:22
HD 29674	169640	4	39.6	-21	14.9	7.2,10.8,8.8	Eri	Sep AB:1.4, Sep AC:40
HD 31225	169847	4	53.2	-20	46.3	7,11.5	Eri	Sep AB:27
HD 33628	170149	5	10.7	-20	44.9	7.3,10	Lep	Sep AB:17
HD 34087	170216	5	13.9	-22	59.3	7.4,10.7,12.6	Lep	Sep AB:9, Sep AC:18
HD 34968	170327	5	20.4	-21	14.4	4.7,8.5	Lep	Sep AB:4
HD 35162	170351	5	21.8	-24	46.4	5.4,6.6,9.1	Lep	Sep AB:3, Sep AC:61
HD 35430	170383	5	23.6	-22	18.5	7.4,10.5	Lep	Sep AB:18
HD 35796	170424	5	26.4	-20	42.9	7.4,10.5	Lep	Sep AB:4
HD 37702 Lalande (B); Harvard 77 (C)	170652	5	39.7	-20	26.1	6.9,7.9,11.3	Lep	Sep AB:12, Sep AC:32
HD 38393 Gamma Lep; 13 Lep; H V 50; H 199	170759	5	44.5	-22	26.6	3.6,6.2	Lep	Sep AB:96
HD 38426	170770	5	44.8	-21	39.6	6.8,11.7	Lep	Sep AB:19
HD 41172	171158	6	2.1	-27	25.6	7.2,10.4	Lep	Sep AB:33
HD 41841	171236	6	6.5	-23	6.6	5.5,10.3	Lep	Sep AB:45
HD 41897	171248	6	6.8	-23	5.6	7.5,10.9	Lep	Sep AB:30
HD 43369	171448	6	14.5	-29	36.2	7,10.8	CMa	Sep AB:6
HD 44144	171562	6	19.3	-24	58.5	7.3,8.2,7.1	CMa	Sep AB:62, Sep AC:302
HD 45588	171774	6	27.2	-25	51.2	6.1,11	CMa	Sep AB:42
HD 45941	171831	6	29.4	-22	35.5	6.8,8.7	CMa	Sep AB:3
HD 47247 H II 60	172021	6	36.7	-22	36.9	6.2,10	CMa	Sep AB:9
HD 48425	172196	6	42.5	-23	14.0	7.4,10.4,11.8	CMa	Sep AB:6, Sep AC:35
HD 48501	172204	6	42.8	-22	27.0	6.3,8.6	CMa	Sep AB:18
HD 49868	172383	6	49.6	-24	8.6	7.1,8.5	CMa	Sep AB:27
HD 49891 Bur 324	172389	6	49.7	-24	4.5	6.3,8.8,13	CMa	Sep AB:31, Sep AC:29
HD 50379	172461	6	51.8	-26	34.9	8,9	CMa	Sep AB:1.7
HD 51055 H V 65	172569	6	55.0	-20	24.3	5.8,9.3,9	CMa	Sep AB:44, Sep AC:50
HD 51199 19 CMa; H N 123	172579	6	55.6	-20	8.2	4.7,9.7	CMa	Sep AB:12
HD 51343	172591	6	55.9	-25	31.1	7.4,10.4	CMa	Sep AB:4
HD 51733	172644	6	57.6	-24	37.9	5.8,7.1	CMa	Sep AB:1
HD 52089 Epsilon CMa; 21 CMa; Adhara, "the virgins"	172676	6	58.6	-28	58.3	1.5,7.4	CMa	Sep AB:8

Double	SAO #	RA (hr)	RA (min)	Dec Deg	Dec Amin	Mag	Const	Sep
HD 52437 FU CMa	172725	7	0.3	-22	7.2	6.5,10.7	CMa	Sep AB:128
HD 55271	173152	7	11.3	-21	48.2	6.9,8.7	CMa	Sep AB:14
HD 55856	173247	7	13.8	-22	54.4	6.3,9	CMa	Sep AB:19
HD 56577 Innes 45	173349	7	16.6	-23	18.9	4.8,6.8	CMa	Sep AB:27
HD 57061 Tau CMa; 30 CMa	173446	7	18.7	-24	57.3	4.4,10.5,11.2	CMa	Sep AB:8, Sep AC:15
HD 57190 Lalande 53	173466	7	19.3	-22	3.0	7,7.5	CMa	Sep AB:4
HD 58350 31 CMa; Aludra, "a virgin"; Smythe	173651	7	24.1	-29	18.2	2.5,6.8	CMa	Sep AB:179
HD 58510 Hough 522	173684	7	25.1	-21	10.5	7.1,8.1	CMa	Sep AB:2
HD 59235	173797	7	28.0	-26	50.3	6.3,10.3	Pup	Sep AB:16
Eta Puppis	174019	7	34.3	-23	28.4	5.9	Pup	10
HD 60585 H 19	174020	7	34.3	-23	28.5	5.1,5.9	Pup	Sep AB:10
HD 60863 P Pup	174058	7	35.4	-28	22.2	4.7,9.3	Pup	Sep AB:38
HD 61555 k Pup; Markeb	174198	7	38.8	-26	48.1	4.7,4.7	Pup	Sep AB:10
Kappa Pup	174199	7	38.8	-26	48.2	4.6	Pup	10
HD 66306	175018	8	1.9	-27	12.9	6.6,9.3,11.8	Pup	Sep AB:7, Sep AC:30
HD 67409 Bos 148	175196	8	6.8	-27	6.9	7.1,9.8	Pup	Sep AB:71
HD 73752	176226	8	39.1	-22	40.1	5.3,,10.7	Pyx	
HD 73898 Zeta Pyx	176253	8	39.7	-29	33.6	4.9,9.1	Pyx	Sep AB:52
HD 74690	176395	8	44.7	-23	47.3	6.7,10.9,12	Pyx	Sep AB:18, Sep AC:3.5
HD 78876	177055	9	9.8	-25	48.2	7.4,8.9	Pyx	Sep AB:2
HD 83953 I Hya; Sh 364	177840	9	41.3	-23	35.5	4.8,10	Hya	Sep AB:55
HD 84199	177879	9	42.8	-22	57.9	7.9,10.9	Hya	Sep AB:16
HD 85860	178157	9	54.1	-27	59.9	7,9	Ant	Sep AB:1.7
HD 86916	178307	10	1.2	-22	45.9	7.5,7.3,11.9,11.1	Hya	Sep AB:13, Sep AC:42, Sep AD:2.7
HD 87793	178425	10	6.8	-24	42.9	7.9,7.9	Hya	Sep AB:2
HD 89694	178706	10	20.6	-23	38.4	7.5,10.7	Hya	Sep AB:18
HD 91881	179014	10	36.1	-26	40.4	6.7,7.5	Hya	Sep AB:1.4
HD 95855	179474	11	3.3	-27	31.1	7.5,9.3	Hya	Sep AB:3
HD 99922	179935	11	29.6	-24	27.8	5.5,8.8,8.9	Crt	Sep AB:8, Sep AC:169
HD 100286 17 Crt; H III 96	179967	11	32.3	-29	15.9	4.9,5.8	Hya	Sep AB:9
HD 100375	179979	11	33.0	-23	26.6	7.5,12.8	Crt	Sep AB:10
HD 100908	180033	11	36.8	-24	26.3	7,10.7,13.2	Crt	Sep AB:15, Sep AC:40
HD 114769	181460	13	13.0	-29	6.0	7.8,9.5,13.2	Hya	Sep AB:3, Sep AC:38
HD 114993 Finsen 297	181476	13	14.5	-24	17.1	6.7,,11.4	Hya	
HD 115659 46 Hya; Smythe	181543	13	18.9	-23	10.3	3,10	Hya	Sep AB:138
HD 116429	181615	13	23.9	-20	55.4	6.6,10.6	Vir	Sep AB:4
HD 118349 H N 69	181790	13	36.8	-26	29.7	5.7,6.7,11.3,10	Hya	Sep AB:11, Sep AC:198, Sep AD:218
HD 119086 Finsen 352; 335 G	181863	13	41.5	-23	27.0	6.6,,10.1	Hya	
HD 120546	182011	13	50.7	-29	52.5	7.6,9.5	Hya	Sep AB:5
HD 126430	182539	14	25.9	-22	7.6	8.1,10	Lib	Sep AB:17
HD 126769 52 Hya	182570	14	28.2	-29	29.5	5,,12	Hya	
HD 127037	182599	14	29.8	-25	32.5	7.7,9.7	Hya	Sep AB:13
HD 128787	182739	14	39.7	-26	43.4	7,12.2,9.5	Hya	Sep AB:24, Sep AC:124
HD 128928	182752	14	40.4	-26	15.3	7.2,9.2,9.1	Hya	Sep AB:.7, Sep AC:72
HD 129926 H III 97	182855	14	46.0	-25	26.5	5.2,7.2	Hya	Sep AB:8

Double	SAO #	RA (hr)	RA (min)	Dec Deg	Dec Amin	Mag	Const	Sep
HD 130529 H VI 117	182898	14	49.3	-24	15.1	5.7,8.9	Lib	Sep AB:61
HD 131977	183040	14	57.4	-21	23.5	5.7,8,13,12	Lib	Sep AB:26, Sep AC:45, Sep AD:189
HD 135796	183349	15	17.9	-26	59.8	7.8,9.8	Lib	Sep AB:14
HD 136032	183368	15	19.2	-24	15.9	7.5,8.2	Lib	Sep AB:2
HD 137115	183447	15	25.0	-22	2.6	7.7,9.1	Lib	Sep AB:10
HD 138488 Lalande 123	183565	15	33.1	-24	29.3	6.3,7.8	Lib	Sep AB:9
HD 139519	183668	15	39.6	-27	38.6	8.4,8.4	Lib	Sep AB:1.6
HD 139911	183710	15	41.9	-30	8.8	7.7,9.2,11.4,9.9	Lup	Sep AB:35, Sep AC:36, Sep AD:89
HD 140192	183731	15	43.2	-25	24.9	7.3,9.4	Lib	Sep AB:6
HD 142114 2 Sco	183896	15	53.6	-25	19.6	4.7,7.4	Sco	Sep AB:3
HD 142669 Rho Sco; 5 Sco	183957	15	56.9	-29	12.8	3.9,12.7	Sco	Sep AB:3
HD 143018 Pi Sco; 6 Sco	183987	15	58.8	-26	6.8	2.9,10.6	Sco	Sep AB:50
HD 143715	184058	16	2.9	-25	0.9	7.4,9.4	Sco	Sep AB:4
HD 145483 12 Sco	184217	16	12.3	-28	25.0	5.9,7.9	Sco	Sep AB:4
HD 147165 Sigma Sco; 20 Sco; Al Niyat	184336	16	21.2	-25	35.5	2.9,9.2	Sco	Sep AB:20
HD 147432	184350	16	22.8	-23	7.1	7.7,9.2	Sco	Sep AB:1.1
HD 147722 H N 39	184368	16	24.6	-29	42.1	5.4,6.6	Sco	Sep AB:5
HD 147934 Rho Oph; 5 Oph; H II 19	184381	16	25.6	-23	26.8	4.6,6.8,7.9,7	Oph	Sep AB:3, Sep AC:152, Sep AD:156
HD 148478 21 Sco; Antares, "the rival of Mars"	184415	16	29.4	-26	25.9	1.2,5.4	Sco	Sep AB:3
HD 151415	184652	16	48.2	-24	31.6	7.1,11.9	Oph	Sep AB:25
HD 152989	184838	16	57.9	-27	36.6	7.9,9.5	Oph	Sep AB:11
HD 153515	184918	17	1.2	-29	41.1	7.9,12.9,10.6	Oph	Sep AB:10, Sep AC:36
HD 155885 36 Oph	185199	17	15.4	-26	35.2	5.1,5.1,7.8,8.2	Oph	Sep AB:5, Sep AC:732, Sep AD:8
HD 156252 H I 35	185233	17	17.6	-26	37.7	7.1,8.6	Oph	Sep AB:6
HD 156349 39 Oph; H III 25	185238	17	18.0	-24	17.2	5.1,6.9	Oph	Sep AB:11
HD 156897 Xi Oph; 40 Oph	185296	17	21.0	-21	6.6	4.4,8.9	Oph	Sep AB:4
HD 157865	185404	17	26.8	-26	19.9	7.5,9.7	Oph	Sep AB:4
HD 164492 AC = H N 6	186145	18	2.4	-23	1.8	7.2,10.7,8.7	Sgr	Sep AB:5, Sep AC:11
HD 164584 7 Sgr	186163	18	2.8	-24	16.9	6.9,8.5	Sgr	Sep AB:36
HD 165814 V3792 Sgr	186350	18	8.9	-25	28.4	6.8,8.7	Sgr	Sep AB:13
HD 166464 11 Sgr	186437	18	11.7	-23	42.0	5,10.7	Sgr	Sep AB:42
HD 166937 Mu Sgr; 13 Sgr; H V 7	186497	18	13.7	-21	3.5	3.8,11.4	Sgr	
HD 169420 21 Sgr; Jacob 6	186794	18	25.3	-20	32.5	4.9,7.4	Sgr	Sep AB:2
HD 169851	186837	18	27.7	-26	38.1	6.9,7	Sgr	Sep AB:1.3
HD 170141	186863	18	28.9	-26	34.9	6.7,8.1	Sgr	Sep AB:42
HD 170121	186864	18	28.9	-25	2.6	7.4,8.3	Sgr	Sep AB:3
HD 174974 Nu 1 Sgr; 32 Sgr; Bur 1033; Ain al Rami	187426	18	54.2	-22	44.7	4.9,10.6,10.6	Sgr	Sep AB:2, Sep AC:28
HD 175191 34 Sgr; Nunki	187448	18	55.3	-26	17.8	2,9.5	Sgr	Sep AB:309
HD 175775	187504	18	57.7	-21	6.4	3.5,9.5	Sgr	Sep AB:189
HD 176687 Zeta Sgr; 38 Sgr; Ascella, "the armpit"	187600	19	2.6	-29	52.8	2.6,,9.9	Sgr	
HD 177120	187632	19	4.2	-22	53.8	6.9,8.4	Sgr	Sep AB:8
HD 177166 H N 126	187634	19	4.3	-21	31.9	7.2,7.9	Sgr	Sep AB:1.1
HD 178049	187716	19	8.1	-26	50.1	7.2,8.7	Sgr	Sep AB:45
HD 183275 H N 119	188192	19	29.9	-26	59.1	5.6,8.6	Sgr	Sep AB:7
HD 193281	189164	20	20.5	-29	11.8	6.6,9.4,8.3,10.2	Sgr	Sep AB:4, Sep AC:27, Sep AD:106

Double	SAO #	RA (hr)	RA (min)	Dec Deg	Dec Amin	Mag	Const	Sep
HD 193883	189223	20	23.5	-26	44.1	7.5,11.7	Cap	Sep AB:14
HD 195680	189425	20	33.5	-22	13.9	7.5,12	Cap	Sep AB:10
HD 197746	189675	20	46.4	-26	52.1	7,9.2	Cap	Sep AB:18
HD 197889	189697	20	47.3	-26	24.9	7.3,9.1	Cap	Sep AB:1.6
HD 197956	189701	20	47.9	-27	45.1	8.1,11.1	Cap	Sep AB:17
HD 198278	189747	20	50.1	-27	22.0	7.2,9.3	Cap	Sep AB:18
HD 198732	189801	20	53.0	-23	46.9	6.3,8.5	Cap	Sep AB:1.7
HD 200914 24 Cap	190025	21	7.1	-25	0.3	4.6,11.7	Cap	Sep AB:26
HD 201184 Chi Cap; 25 Cap	190050	21	8.5	-21	11.6	5.3,11	Cap	Sep AB:67
HD 207603	190677	21	50.8	-27	56.0	7.6,10.6	PsA	Sep AB:25
HD 208271	190741	21	55.6	-21	8.4	7.1,13.6,10.2	Cap	Sep AB:40, Sep AC:58
HD 208810	190798	21	59.5	-29	3.4	7.1,10.6,10.9	PsA	Sep AB:41, Sep AC:49
HD 208851 11 PsA	190800	21	59.6	-27	37.8	7.5,10.5	PsA	Sep AB:12
HD 209014 Eta PsA; 12 PsA	190822	22	0.8	-28	27.2	5.4,6.8	PsA	Sep AB:1.9
HD 210960 H N 56	190986	22	14.3	-21	4.5	5.6,7.1,9.1	Aqr	Sep AB:5, Sep AC:212
HD 212600	191131	22	25.8	-20	14.2	6.7,8.3	Aqr	Sep AB:7
HD 214046	191252	22	35.9	-20	56.1	7.5,10.3	Aqr	Sep AB:51
HD 214599 BC=h5356	191308	22	39.7	-28	19.5	6.3,7.3	PsA	Sep AB:87
HD 217004 h5371	191529	22	57.8	-26	6.3	7.6,9.7	PsA	Sep AB:9
HD 220455	191872	23	24.0	-27	16.9	7.8,11	Scl	Sep AB:7
HD 222872	192116	23	44.5	-26	14.8	6.3,9	Scl	Sep AB:9
HD 223352 Delta Scl; Bur 1013	192167	23	48.9	-28	7.7	4.6,11.5,9.3	Scl	Sep AB:4, Sep AC:74
HD 223466	192180	23	49.8	-25	19.9	6.4,11.1	Scl	Sep AB:14
HD 223934	192224	23	53.7	-29	23.8	7.4,11.6	Scl	Sep AB:29
HD 223991 Lalande 192	192231	23	54.3	-27	2.6	6.7,7.5	Scl	Sep AB:7
HD 6403	192907	1	4.5	-33	32.0	6,10.6	Scl	Sep AB:9
HD 8887	193123	1	27.1	-30	14.1	6.9,9.7	Scl	Sep AB:10
HD 9770 Dawes 31	193189	1	35.0	-29	54.7	7.2,8.8	Scl	Sep AB:140
HD 9906 Tau Scl	193201	1	36.1	-29	54.5	5.7,7.1	Scl	Sep AB:1
HD 10268	193237	1	39.7	-37	28.4	7.2,7.7	Scl	Sep AB:21
HD 14246	193623	2	17.4	-30	43.3	7.7,8.8	For	Sep AB:3
HD 16087	193774	2	34.2	-31	31.4	7.6,11.3	For	Sep AB:24
HD 21635 Chi 3 For; 22 For	194318	3	28.2	-35	51.2	6.5,10.5	For	Sep AB:6
HD 24033	194544	3	48.5	-31	46.7	7.6,8.5	For	Sep AB:9
HD 24071 f Eri	194550	3	48.6	-37	37.3	4.3,4.9	Eri	Sep AB:8
HD 26758	194831	4	12.5	-36	9.2	7.1,7.9	Eri	Sep AB:50
HD 27016	194866	4	15.1	-30	4.3	7.8,9.8	Eri	Sep AB:11
HD 27376 Upsilon 4 Eri; 41 Eri	194902	4	17.9	-33	47.9	3.6,11.8	Eri	Sep AB:49
HD 27490	194923	4	19.0	-33	54.3	6.5,8.4	Eri	Sep AB:6
HD 28143	194996	4	24.9	-34	45.4	6.6,10	Eri	Sep AB:42
HD 35416	195796	5	23.2	-31	44.9	7.5,10.5	Col	Sep AB:15
HD 44402 1 CMa; Furud, "the bright single one"	196698	6	20.3	-30	3.8	3,7.7	CMa	Sep AB:176
HD 45871	196861	6	28.6	-32	22.3	5.9,7.9	CMa	Sep AB:1.3
HD 46547	196919	6	32.6	-32	1.8	6.2,8.7	CMa	Sep AB:24
HD 48917 10 Cma; A = FT CMa	197149	6	44.5	-31	4.2	5.2,10.6	CMa	Sep AB:36

Double	SAO #	RA (hr)	RA (min)	Dec Deg	Dec Amin	Mag	Const	Sep
HD 49591	197215	6	47.3	-37	55.8	5.3,11.1	Pup	Sep AB:65
HD 50123 H V 108	197263	6	50.4	-31	42.4	5.7,7.8	CMa	Sep AB:42
HD 51042	197334	6	54.2	-34	13.4	7.3,9	Pup	Sep AB:2
HD 52093 Innes 66	197422	6	58.3	-35	25.2	7.6,9.8,9.5	Pup	Sep AB:2, Sep AC:15
HD 52140	197432	6	58.7	-30	59.9	6.4,9,10	CMa	Sep AB:35, Sep AC:70
HD 53952	197557	7	5.5	-34	46.7	6.2,7.6,10,11	Pup	Sep AB:3, Sep AC:37, Sep AD:29
HD 55718	197694	7	12.4	-36	32.7	6,8.5	Pup	Sep AB:3
HD 56731	197789	7	17.0	-30	53.8	6.3,8	CMa	Sep AB:37
HD 56855 Pi Pup; 16 Pup	197795	7	17.1	-37	5.9	2.7,7.8	Pup	Sep AB:69
HD 57150 NV Pup	197824	7	18.3	-36	44.0	4.7,5.1	Pup	Sep AB:240
HD 57120	197827	7	18.5	-30	47.9	7,8	CMa	Sep AB:3
HD 58420	197951	7	24.0	-35	50.3	6.3,12.5	Pup	Sep AB:25
HD 58535 Dawes 129; Bos 1540	197964	7	24.7	-31	48.5	5.4,7.6	CMa	Sep AB:99
HD 58634	197974	7	24.8	-37	17.4	7,7.1	Pup	Sep AB:7
HD 59499	198038	7	28.8	-31	50.9	6,7.2	Pup	Sep AB:9
HD 60168 PS Pup	198093	7	31.7	-35	53.3	6.6,11	Pup	Sep AB:92
HD 64379	198540	7	52.3	-34	42.5	5,8.1	Pup	Sep AB:3
HD 66598	198743	8	3.1	-32	27.8	5.8,8.8	Pup	Sep AB:35
HD 67243 Innes 189	198791	8	5.7	-33	34.2	6.2,8.7	Pup	Sep AB:22
HD 68978	198958	8	13.6	-31	44.3	6.7,12.1,11.1	Pup	Sep AB:12, Sep AC:18
HD 69081 OS Pup	198969	8	14.0	-36	19.4	5.1,6.1	Pup	Sep AB:67
HD 69402	199000	8	15.5	-37	22.3	7.4,9.6	Pup	Sep AB:18
HD 69445	199010	8	15.9	-30	55.5	6.4,8.3	Pup	Sep AB:2
HD 71487 NO Pup; Bur 1605	199222	8	26.3	-39	3.5	6.1,7.5	Pup	Sep AB:8
HD 71801	199260	8	28.0	-35	6.8	5.8,10	Pyx	Sep AB:26
HD 72435	199328	8	31.4	-36	41.6	7.7,10.4	Pyx	Sep AB:48
HD 75199	199619	8	47.4	-34	36.0	6.7,10	Pyx	Sep AB:52
HD 77737 Rossiter 3619	199924	9	3.3	-33	36.1	7.2,8.2	Pyx	Sep AB:14
HD 78922 H N 96	200047	9	9.9	-30	21.9	5.6,9.5	Pyx	Sep AB:18
HD 80773	200258	9	20.7	-31	45.6	7.3,7.9	Pyx	Sep AB:3
HD 82383 Zeta 1 Ant; 6 Ant	200444	9	30.7	-31	53.5	5.8,7.1	Ant	Sep AB:8
HD 82774	200490	9	33.2	-36	24.3	7.5,10.5	Ant	Sep AB:6
HD 85963	200855	9	54.5	-34	54.4	7.3,11.3	Ant	Sep AB:4
HD 86629 Eta Ant	200926	9	58.9	-35	53.4	5.2,11.2	Ant	Sep AB:31
HD 89672	201293	10	20.2	-33	7.7	6.2,10.1	Ant	Sep AB:10
HD 90972 H N 50	201442	10	29.6	-30	36.4	5.6,9.6	Ant	Sep AB:11
HD 100407 Xi Hya	202558	11	33.0	-31	51.4	3.5,10.7	Hya	Sep AB:68
HD 100893	202622	11	36.6	-33	34.2	5.7,7.9,13.3	Hya	Sep AB:3, Sep AC:48
HD 101327	202675	11	39.5	-37	25.9	7.4,8.4	Cen	Sep AB:3
HD 101387	202686	11	39.9	-33	27.0	6.8,9.4	Hya	Sep AB:2
HD 101406	202689	11	40.0	-38	6.5	6.7,9.5	Cen	Sep AB:17
HD 101666 Lalande 133	202717	11	41.7	-32	29.9	5.2,,8.4	Hya	
HD 103192 Beta Hya	202901	11	52.9	-33	54.5	4.3,5	Hya	Sep AB:.9
HD 105113	203123	12	6.1	-32	57.5	6.7,8.9	Hya	Sep AB:7
HD 105173	203137	12	6.6	-37	51.6	6.6,9.2	Cen	Sep AB:50

Double	SAO #	RA (hr)	RA (min)	Dec Deg	Dec Amin	Mag	Const	Sep
HD 105686	203183	12	10.0	-34	42.3	6.3,8.2	Hya	Sep AB:3
HD 105953	203219	12	11.7	-30	36.2	7.5,10.5	Hya	Sep AB:10
HD 106257	203252	12	13.6	-33	47.6	6.3,8.3	Hya	Sep AB:1
HD 107106	203338	12	19.0	-33	17.5	7.8,10.2	Hya	Sep AB:47
HD 109352 Innes 908	203596	12	34.2	-32	5.6	7,11.7	Hya	Sep AB:27
HD 111737	203877	12	51.7	-31	5.0	7.2,11.8	Cen	Sep AB:32
HD 113398	204086	13	3.7	-34	15.0	8.2,12.7	Cen	Sep AB:11
HD 114509	204212	13	11.5	-35	7.8	6.6,9.5	Cen	Sep AB:24
HD 115431	204325	13	17.6	-37	1.0	7.4,10.6	Cen	Sep AB:9
HD 118465	204673	13	37.8	-35	3.8	7.2,9.4	Cen	Sep AB:2
HD 119191	204749	13	42.3	-33	58.8	6.7,7.5	Cen	Sep AB:4
HD 120237	204867	13	49.0	-35	42.1	6.6,9.6	Cen	Sep AB:12
HD 120709 H III 101	204916	13	51.8	-32	59.6	4.5,6.2	Cen	Sep AB:8
HD 120955 H N 51	204944	13	53.2	-31	55.6	4.7,8.4	Cen	Sep AB:15
HD 120987 H V 124; AC = Bur 1108	204955	13	53.5	-35	39.8	5.5,8.5,12.7	Cen	Sep AB:67, Sep AC:28
HD 121287	204988	13	55.3	-32	5.9	7,9.6	Cen	Sep AB:6
HD 127624	205681	14	33.2	-30	42.8	6.2,9.5	Cen	Sep AB:3
HD 128532	205789	14	38.4	-35	16.6	6.8,11.8	Cen	Sep AB:23
HD 130311 Bos 2024	205964	14	48.5	-35	50.5	7.9,9.3	Cen	Sep AB:10
HD 131432	206079	14	54.6	-33	18.0	6,10.8,10	Cen	Sep AB:13, Sep AC:58
HD 131625	206099	14	55.7	-33	51.3	5.3,12.5	Cen	Sep AB:24
HD 131751 Innes 227	206111	14	56.5	-34	37.9	7.3,10.4	Cen	Sep AB:49
HD 132347	206173	14	59.5	-30	42.7	7.2,9.3,13	Cen	Sep AB:8, Sep AC:32
HD 135344	206463	15	15.8	-37	8.9	7.7,8.6	Lup	Sep AB:21
HD 136347	206543	15	21.5	-38	13.1	6.6,9.1	Lup	Sep AB:6
HD 136549	206570	15	22.5	-34	9.5	7.7,9.5	Lup	Sep AB:9
HD 137432	206660	15	27.3	-36	46.0	5.5,12.5	Lup	Sep AB:30
HD 138138 Bos 2036	206720	15	31.3	-33	49.2	6.9,,9	Lup	
HD 139677	206867	15	41.1	-39	58.9	6.5,7.9	Lup	Sep AB:1.2
HD 140817 Bos 2038	206968	15	47.1	-35	30.6	6.8,,7.3	Lup	
HD 142629 Xi Lup	207144	15	56.9	-33	57.9	5.1,5.6	Lup	Sep AB:11
HD 143118 Eta Lup; Rumker 21	207208	16	0.1	-38	23.8	3.4,7.8	Lup	Sep AB:15
HD 144294 Theta Lup	207332	16	6.6	-36	48.1	4.2,11.8	Lup	Sep AB:41
HD 144667 V856 Sco; See 265	207368	16	8.6	-39	5.6	6.7,,7	Sco	
HD 144927	207396	16	9.5	-32	38.9	6.8,7.4	Sco	Sep AB:8
HD 146836 Brisbane 12	207558	16	19.5	-30	54.4	5.4,6.9	Sco	Sep AB:23
HD 146954	207574	16	20.5	-39	25.8	6.1,10.2	Sco	Sep AB:15
HD 147149	207586	16	21.4	-33	18.1	7.4,11.8	Sco	Sep AB:12
HD 147553	207625	16	23.9	-33	11.9	6.5,7.6,9	Sco	Sep AB:6, Sep AC:92
HD 148950	207759	16	33.0	-33	31.9	7.5,9.7	Sco	Sep AB:1.6
HD 149886 Finsen 340	207878	16	39.1	-37	13.0	5.9,11.4	Sco	Sep AB:31
HD 151315	208043	16	48.2	-36	53.0	7.5,8.4	Sco	Sep AB:23
HD 151771	208089	16	51.0	-37	30.9	6.3,8.3	Sco	Sep AB:7
HD 152637	208206	16	56.1	-37	11.2	7.4,10.3	Sco	Sep AB:17
HD 152901 V883 Sco	208238	16	57.9	-37	59.8	7.4,11.5	Sco	Sep AB:9

Double	SAO #	RA (hr)	RA (min)	Dec Deg	Dec Amin	Mag	Const	Sep
HD 154310	208406	17	6.3	-37	13.6	6,11.4,12.9	Sco	Sep AB:7, Sep AC:43
HD 155536	208556	17	13.9	-38	17.7	6.7,8.8	Sco	Sep AB:3
HD 155603	208569	17	14.4	-39	46.0	6.3,10,11.3	Sco	Sep AB:14, Sep AC:17
HD 156384 Bos 416; See (D)	208670	17	18.9	-34	59.3	5.9,6.3,10,12.9	Sco	Sep AB:1.5, Sep AC:31, Sep AD:15
HD 158020	208852	17	28.2	-31	12.4	7.7,12.3	Sco	Sep AB:14
HD 158320 Hough 646	208881	17	30.1	-33	43.0	6.7,9.6,11.5,9.4	Sco	Sep AB:4, Sep AC:15, Sep AD:59
HD 158468	208903	17	31.3	-39	1.1	7.1,8.8	Sco	Sep AB:3
HD 158926 Lambda Sco; 35 Sco; Shaula, "the stinger"	208954	17	33.6	-37	6.2	1.6,12	Sco	Sep AB:95
HD 159176 AC = Hough 647	208977	17	34.7	-32	34.9	5.7,10.5,10.5	Sco	Sep AB:6, Sep AC:13
HD 162102 RY Sco	209340	17	50.9	-33	42.3	8,11.9,10.5	Sco	Sep AB:2, Sep AC:13
HD 162220	209357	17	51.2	-30	33.4	6.7,8.2	Sco	Sep AB:10
HD 163195	209497	17	56.8	-39	55.9	6.9,9.2	Sco	Sep AB:4
HD 163482 AC = See 343	209525	17	57.9	-36	0.5	7,9.5,12.8	Sco	Sep AB:4, Sep AC:12
HD 163652	209545	17	58.9	-36	51.5	5.7,8.2	Sgr	Sep AB:50
HD 163708 Dunlop 219; V1647 Sgr	209552	17	59.2	-36	56.3	7.2,9.5	Sgr	Sep AB:8
HD 163756 Piazzi	209553	17	59.1	-30	15.2	5,7	Sgr	Sep AB:5
HD 164870 Hough 88	209671	18	4.8	-35	54.1	6,11	Sgr	Sep AB:13
HD 166023	209803	18	10.1	-30	43.7	5.6,8.6	Sgr	Sep AB:4
HD 166833	209886	18	14.2	-37	37.3	7.6,11.5	CrA	Sep AB:15
HD 167363	209933	18	16.2	-31	9.6	7.7,9.9	Sgr	Sep AB:37
HD 167647 RS Sgr	209959	18	17.6	-34	6.4	6,9.5,8.7,10.2	Sgr	Sep AB:39, Sep AC:94, Sep AD:17
HD 170867 Dunlop 222	210295	18	33.4	-38	43.6	5.7,6.3	CrA	Sep AB:21
HD 171119	210321	18	34.4	-34	49.0	6.9,7.9	Sgr	Sep AB:2
HD 172777 Lambda CrA	210501	18	43.8	-38	19.4	5.1,10	CrA	Sep AB:29
HD 175478	210749	18	56.9	-33	19.8	7.2,8.8	Sgr	Sep AB:50
HD 176270	210816	19	1.1	-37	3.7	6.4,6.7	CrA	Sep AB:13
HD 176616	210853	19	2.7	-36	5.8	7.6,8.8	Sgr	Sep AB:6
HD 177474 Gamma CrA	210928	19	6.4	-37	3.6	4.2,5.1	Aql	Sep AB:3
HD 178076	210975	19	8.5	-30	58.3	7.8,9.5	Sgr	Sep AB:9
HD 179117 Bos 428	211046	19	12.7	-33	50.8	7.3,7.8	Sgr	Sep AB:24
HD 189118 Theta 2 Sgr	211717	19	59.8	-34	41.8	5.3,10.8	Sgr	Sep AB:36
HD 189830 Bos 463	211769	20	3.5	-36	35.7	7,,12.5	Sgr	
HD 191407	211883	20	10.9	-32	19.4	7.6,11.8	Sgr	Sep AB:5
HD 191957	211916	20	13.7	-34	7.1	6.7,8.5	Sgr	Sep AB:3
HD 192472	211948	20	16.4	-36	27.2	6.3,11.2,12.4	Sgr	Sep AB:38, Sep AC:46
HD 192614	211959	20	16.9	-32	36.5	7.5,8.4	Sgr	Sep AB:2
HD 193749	212064	20	23.1	-33	2.9	7.6,11	Sgr	Sep AB:12
HD 195830	212245	20	34.8	-33	55.4	7.9,10.1	Mic	Sep AB:10
HD 198232 Alpha Mic	212472	20	50.0	-33	46.8	5,10	Mic	Sep AB:21
HD 201695	212786	21	12.1	-30	35.4	7.5,8.8	Mic	Sep AB:2.3
HD 206742 Iota PsA; 9 PsA	213258	21	44.9	-33	1.5	4.3,11.4	PsA	Sep AB:20
HD 207155 Theta PsA; 10 PsA	213292	21	47.7	-30	53.9	5,11.3	PsA	Sep AB:36
HD 213398 Piazzi; Bur 276 (a)	213883	22	31.5	-32	20.8	4.4,7.9	PsA	Sep AB:30
HD 214122	213948	22	36.6	-31	39.8	5.8,7.5	PsA	Sep AB:92
HD 221609	214624	23	33.8	-36	15.8	7.2,11.5	Scl	Sep AB:20

Double	SAO #	RA (hr)	RA (min)	Dec Deg	Dec Amin	Mag	Const	Sep
HD 222004	214659	23	37.1	-31	52.3	6.5,8.4	Scl	Sep AB:5