Table 1. Star name, maximum luminosity and colors, epoch of observations, spectral type inferred from the colors, parallax measured by the HIPPARCOS satellite, photometric parallax

Name	V_m	U-B	B-V	V-R	V-I	Epoch	Spectral Type	d(H)	d(ph)
HD 2133	9.59	0.07	0.57	0.32	0.61	A95	F9V/IV + WD	140	142
HD 6628	7.70	0.36	0.87	0.50	1.00	N93	K1/2IV + F8V	132	134
HD 8357	7.24	0.38	0.85	0.50	1.00	P1	K1IV/V + G5/6V	45	46
HD 8358	8.08	0.13	0.70	0.41	0.86	P2	G5V + G5V	66	60
HD 9770	7.11	0.58	0.92	0.54	1.07	N94	K0/1V + K3V + K3/4V	24	23
HD 16699	7.34	0.10	0.61	0.36	0.68	A95	F9V + K0:V	61	63
HD 18131	7.32	0.74	0.98	0.52	0.97	N93	K1IV + WD	105	96
HD 24916	8.03	1.03	1.13	0.68	1.30	N94	K4/5V + M2Ve	16	15
HD 25457	5.34*	0.00	0.52	0.30	0.58		F6/7V	19	22
HD 32008	5.37*	0.34	0.80				G7IV/III + WD	55	51
HD 33262	4.68*	-.03	0.52	0.31	0.60		F7V	12	16
HD 35114	7.34	-.02	0.49	0.29	0.56	A95	F5/6V	46	60
HD 36869	8.46	0.13	0.64	0.37	0.70	J95	G3V	35:	57
HD 37572	7.86	0.41	0.82	0.47	0.88	J95	K0V	24	25
HD 41824	6.62	0.26	0.72	0.41	0.78	J95	G5V + K7:V + G6V	30	28
HD 43162	6.37	0.22	0.70	0.39	0.75	J95	G5/6V	17	18
HD 43989	7.91	0.05	0.57	0.33	0.64	N93	F9V	50	59
HD 45081	9.80	0.90	1.13	0.68	1.32	J95	K5 PMS(?)	38	>33
HD 48189	6.14	0.07	0.61	0.36	0.70	J95	G0V + K2/3V	22	26
HD 71285	7.83	0.12	0.61	0.34	0.67	J95	G1V + G3V	66	67
HD 75997	9.04	0.37	0.85	0.51	1.02	D96	K0/1V	31:	39
HD 78644	8.27	0.13	0.65	0.38	0.73	J95	G3V + M0:V	52	51
HD 82159	8.66*		0.91:		0.91:		G9V + K4:V	47:	44
HD 82558	7.80	0.57	0.90	0.53	1.02	P4	K2V	18	19
HD 96064	7.57	0.34	0.76	0.41	0.80	J95	G8V	25	26
HD 118100	9.24*	1.04	1.21	0.73	1.40		K6:V	18	18
HD 124672	7.54	-.04	0.49	0.29	0.58	A95	F5V + K4:V	72	70
HD 140637	9.21	0.68	1.02	0.60	1.21	J95	K3 PMS	41	>31
HD 141943	7.87	0.10	0.63	0.35	0.69	J95	G2 PMS	>50	>46
HD 143937	8.61	0.41	0.85	0.51	0.98	A95	G9V + M0:V + K7:V	42	41
HD 156498	8.45	0.19	0.70	0.44	0.84	A95	G4V/IV + M0:V + G8:V	83	84
HD 171488	7.44	0.09	0.63	0.36	0.70	A95	G2V	37	37
HD 195434	8.71	0.47	0.87	0.53	1.01	A95	K2V + K6V + K2V	44	44
HD 197890	9.32	0.54	0.93	0.56	1.11	P5	K2/3 PMS	44	>36
HD 199143	7.26	0.03	0.53	0.31	0.62	A95	F7V	48	51
HD 217411	9.57	0.17	0.66	0.37	0.74	A95	G4/5V + WD	>48	87
HD 222259	8.18	0.27	0.76	0.44	0.86	N93	G5/6V + K4:V	46	44
HD 223816	9.84	-.09	0.49	0.28	0.54	A95	F5V + WD	>33	200
HD 291095	8.98	0.57	0.93	0.52	1.02	N93	K3V/IV + G6V	43:	102
BD-00 1712	9.34	0.78	1.03	0.64	1.23	J95	K3V + M0:V	>24	36
BD+08 102	10.04	0.37	0.86	0.48	0.97	D96	K2V + WD	>15	54
BD+09 73	10.43	0.92	1.16	0.73	1.49	D96	K5/6:V + M4:V + WD	33	38:
SAO 91772	8.44	0.26	0.76	0.46	0.93	A95	G7/8V + M0:V	41	40
SAO 111210	9.49	0.25	0.76	0.45	0.88	D96	G6V + K3V	>37	79
SAO 150508	9.62	0.17	0.69	0.40	0.77	D96	G5/6V	24:	80
SAO 150676	8.97	0.08	0.62	0.36	0.70	D96	G2V (PMS ?)	>70	76
SAO 151224	9.26	0.67	1.04	0.61	1.17	N93	K3V/IV + K1V/IV	>59	176
SAO 196024	9.52	0.38	0.83	0.49	0.96	D96	K0V	>37	53
SAO 234124	9.35	0.44	0.86	0.49	0.99	D96	K0V + M0V	50	51
SAO 243278	8.02*	0.27	0.73				G6V + K0:V	43	45

Epoch: (N93) = 19 Nov - 03 Dec 1993; (N94) = 24Nov - 04 Dec 1994; (J95) = 15-28 Jan 1995; (A95) = 19 Aug - 03 Sep 1995; (D96) = 03-30 Dec 1996; (P1) = A&AS 89,435; (P2) = A&AS 84,397; (P3) = A&AS 115,41; (P4) = A&AS 131,321; (P5) = IBVS 4419

Table 2. Star name, variable name, maximum luminosity reported in the literature (V_{min}), maximum luminosity (V_m) and amplitude of variation (ΔV) observed by us, photometric or orbital period measured by us or from the literature (the latter are marked with *), $v\,sin\,i$ ($km\,s^{-1}$) observed by us, EW of the Ca I 6717.7 Å (EW Ca I) measured by us (mÅ)

Star name	Variable name	V_{min}	V_m	ΔV	Period	$v\,sin\,i$	EW Ca I
HD 2133		9.61	9.59	0.03		24 ± 3	132^e
HD 6628	CS Cet	7.68	7.70	0.05	>13	11 ± 2	160
HD 8357	AR Psc	7.24	7.24	0.08	12.245	8 ± 2	158
HD 8358	BI Cet	8.08	8.20	0.09	0.515503*	$>60^a$	74+77
HD 9770^b	BB Scl	7.09	7.11	0.04	0.4765318	<5	var
HD 16699		7.32^c	7.34^c	0.02		11 ± 3	133
HD 18131		7.32	7.32	0.01		<5	200
HD 24916^b		8.00	8.03	0.01		9 ± 2	270
HD 25457		5.34				17 ± 2	122^e
HD 32008		5.37				5 ± 2	132
HD 33262		4.68				14 ± 2	103^e
HD 35114		7.39	7.34	0.04	0.690	>60	135^e
HD 36869		8.46	8.46	0.04	1.31	28 ± 2	170^e
HD 37572	UY Pic	7.91	7.86	0.06	4.52	9 ± 2	191^e
HD 41824^b		6.56	6.62	0.04	3.3	8 ± 2	161
HD 43162		6.37	6.37	0.03	7.2	6 ± 2	145^e
HD 43989	V1538 Ori	7.95	7.91	0.08	1.15	47 ± 3	123^e
HD 45081	AO Men	9.84	9.80	0.09	2.65	17 ± 2	280^e
HD 48189^b		6.15	6.14	0.05	2.60	14 ± 2	125
HD 71285		7.86	7.83	0.04	1.35	31 ± 2	150
HD 75997		8.95	9.04	0.12	0.4085	>60	
HD 78644		8.22	8.27	0.09	0.840	59 ± 8	170
HD 82159		8.66				13 ± 2	208
HD 82558	LQ Hya	7.77	7.80	0.12	1.61	26 ± 2	237^e
HD 96064		7.57	7.57	0.04	6.9	7 ± 2	165^e
HD 118100	EQ Vir	9.24				13 ± 2	315^e
HD 124672		7.54	7.54	0.08	0.646	>60	109
HD 140637	KW Lup	9.27	9.21	0.11	2.72	14 ± 2	236^e
HD 141943		7.87	7.87	0.04	2.20	37 ± 2	152^e
HD 143937^b	V1044 Sco	8.58	8.61	0.06	0.91	42 ± 2	150+90
HD 156498^b	V2369 Oph	8.45	8.45	0.07	0.655	>60	90
HD 171488	V889 Her	7.39	7.44	0.04	1.338*	40 ± 2	162^e
HD 195434^d	MR Del	8.72	8.71	0.05	0.52175	8 ± 2	88
HD 197890	BO Mic	9.34	9.32	0.10	0.380	>60	355
HD 199143		7.24	7.26	0.03		>60	138^e
HD 217411		9.72	9.57	0.02		6 ± 2	109
HD 222259^b	DS Tuc	8.17	8.18	0.03	1.54	17 ± 2	158
HD 223816		9.88	9.84	0.02		29 ± 2	114^e
HD 291095	V1355 Ori	8.91	8.98	0.37	3.82	47 ± 7	225
BD-00 1712^b		9.34	9.34	0.04	1.412*	25 ± 2	172+132
BD+08 102	BL Psc	10.05	10.04	0.09	0.2937	> 60	299
BD+09 73	BK Psc	10.41	10.43	0.06	2.24	18 ± 2	283
SAO 91772	LN Peg	8.40	8.44	0.07	1.820	26 ± 2	184
SAO 111210^b		9.56	9.49	0.07	0.5473	52 ± 2	124
SAO 150508		9.59	9.62	0.05	1.90	20 ± 2	160^e
SAO 150676		8.97	8.97	0.05	1.78	28 ± 2	146^e
SAO 151224^b	HY CMa	9.14	9.26	0.27	4.997	39 ± 4	250+90
SAO 196024		9.63	9.52	0.09	1.422	18 ± 2	196^e
SAO 234124	XZ Pic	9.30	9.35	0.11	1.87	23 ± 2	214
SAO 243278^b		8.02			0.82376*	44 ± 2	130+100

Notes: (a) both components have $v\,sin\,i$ >60; (b) the photometry refers to the whole system, the $v\,sin\,i$ only to the primary component; (c) SAO 232842 is included; (d) the photometry refers to the whole system, the $v\,sin\,i$ only to the secondary component; (e) used for the Ca I 6717.7 Å vs. B-V calibration

Table 3. Spectral region and Resolution

Spectral region (Å)	Resolution	Notes
20-27 January 1995		
6680 - 6730	65000	Li region
6530 - 6590	60000	Hα region
3920 - 3950	65000	Ca II region
24-30 August 1995		
6670 - 6745	122000	Li region
6525 - 6600	110000	Hα region
3915 - 3960	122000	Ca II region

Table 4. List of the lines used for RV computations

Li region		Hα region		Ca II region	
Element	λ(Å)	Element	λ (Å)	Element	λ (Å)
Fe I	6677.997	FeI	6533.970	CrI	3916.244
Al I	6696.032	FeI+TiI	6546.252	FeI	3916.737
Fe Ip	6696.322	TiI	6554.238	FeI+CoI	3917.154
Al I	6698.669	SiI	6555.466	FeI+FeI	3918.612
Fe I	6699.136	TiI	6556.077	FeI+CrI	3919.119
Fe I	6703.576	FeI	6556.806	FeI	3920.269
Fe I	6705.105	TiII	6559.576	FeI	3922.923
Li I	6707.815	SiI	6560.555	TiI	3924.533
Fe I	6710.323	Hα	6562.808	FeI	3925.209
Fe I	6713.044	CaI	6572.795	FeI	3925.651
Fe I	6713.745	FeI	6574.254	FeI+FeI	3925.988
Fe I	6715.386	FeI	6575.037	FeI	3927.933
Fe I	6716.252	NiI	6580.233	CrI	3928.644
Ca I	6717.687	FeI	6581.218	TiI	3929.885
Sun	6719.620	SiI	6583.710	FeI	3930.308
Si I	6721.844	NiI	6586.310	CaII K	3933.682
Fe I	6725.364	CI	6587.622	FeI	3937.336
Fe I	6726.673	FeI	6591.326	TiI	3938.018
Fe I	6729.050	NiI	6592.522	MgI	3938.409
Fe I	6732.068	FeI	6592.926	FeI	3940.041
Fe I	6733.153	FeI	6593.884	FeI	3941.284
Fe I	6737.978	FeI	6597.571	CrI	3941.496
Fe I	6739.524	NiI	6598.611	FeI	3942.448
Si I	6741.629			MnI	3942.844
Ti I	6743.127			FeI	3943.182
S I	6743.575			FeI	3943.348
				AlI	3944.016
				FeI	3947.002
				FeI	3947.538
				TiI	3947.778
				FeI	3948.109
				TiI+FeI	3948.733
				FeI	3949.141
				FeI	3949.959
				FeI	3951.171

Table 5. Star name, HJD (2449000.0 +), heliocentric RV and error, number of lines used (N), spectral region (SR), notes

Star name	HJD	RV	N	SR	notes
HD 2133	956.8198	-2.9 ± 0.6	6	Li	C
	957.7336	-2.3 ± 1.5	5	Ha	
HD 6628	740.5366	42.1 ± 1.4	16	Li	SB1
	743.5551	46.1 ± 0.8	14	Ha	
HD 8357	954.8141	19.4 ± 0.8	18	Li	SB1
	957.8206	46.2 ± 1.0	20	Ha	
	960.7194	18.0 ± 2.5	13	Ca	
HD 8358	955.7220	-11.3 ± 4.8	3	Li	SB2
	958.8292	80.0 ± 1.0	1	Ha	
HD 9770 A	738.5344	31.3 ± 0.5	19	Li	C
	738.5498	31.5 ± 0.2	14	Li	
	738.5913	31.5 ± 0.3	12	Li	
	739.5564	31.6 ± 0.3	11	Li	
	741.5558	31.2 ± 0.8	12	Ha	
	744.5317	31.8 ± 1.0	7	Ca	
HD 16699 A	955.7593	16.4 ± 0.7	17	Li	C
	957.7746	16.2 ± 0.9	19	Ha	
	959.8114	15.9 ± 1.1	28	Ca	
SAO 232842	955.7849	16.1 ± 0.7	11	Li	C
	957.7593	16.4 ± 2.6	11	Ha	
	959.7881	15.6 ± 2.1	7	Ca	
HD 18131	739.5375	11.4 ± 0.8	18	Li	C
	743.5858	11.8 ± 0.7	16	Ha	
	744.5607	10.9 ± 1.4	12	Ca	
HD 24916	740.5886	3.3 ± 0.6	12	Li	C
	742.5732	3.7 ± 0.5	13	Ha	
HD 25457	738.6101	17.9 ± 2.1	12	Li	C
	740.5589	17.8 ± 1.2	8	Li	
	742.5525	18.4 ± 1.2	7	Ha	
	745.5269	17.4 ± 2.0	7	Ca	
HD 32008	740.6181	-15.8 ± 0.9	24	Li	C
	741.5892	-15.3 ± 0.4	16	Ha	
HD 33262	738.6163	-1.3 ± 0.7	11	Li	C
	741.5933	-0.9 ± 0.7	5	Ha	
HD 36869	954.9112	24.1 ± 0.6	8	Li	C
	957.8541	23.5 ± 0.7	6	Ha	
	959.9019	24.8 ± 2.0	6	Ca	
HD 37572	740.6554	32.6 ± 0.7	17	Li	C
	742.6236	32.8 ± 0.8	20	Ha	
	744.6026	31.9 ± 1.7	22	Ca	
HD 41824	740.6991	13.3 ± 1.0	10	Li	SB1
	742.7423	4.2 ± 1.1	10	Ha	
	744.6358	16.7 ± 1.8	28	Ca	
HD 43162	740.7189	21.8 ± 0.6	21	Li	C
	742.7538	21.8 ± 1.2	20	Ha	
	745.5900	21.3 ± 0.9	34	Ca	
HD 43989	739.6029	21.9 ± 1.9	3	Li	C
	742.6807	25.7 ± 2.7	4	Ha	
	745.6142	20.5 ± 5.8	5	Ca	

Table 5. continued

Star name	HJD	RV	N	SR	notes
HD 45081	740.7559	16.3 ± 1.0	8	Li	C
	743.7700	16.1 ± 0.8	9	Ha	
HD 48189	738.7497	28.5 ± 2.0	6	Li	C
	741.7140	29.4 ± 1.0	8	Ha	
	745.6368	27.4 ± 1.8	5	Ca	
HD 71285	739.8005	-20.8 ± 1.9	6	Li	SB1
	742.7818	71.3 ± 1.7	7	Ha	
	744.7381	67.8 ± 1.2	5	Ca	
HD 78644	739.8556	9.7 ± 2.6	3	Li	SB1 ?
	743.8292	48.4 ± 1.7	5	Ha	
	745.7968	-19.3 ± 1.7	4	Ca	
HD 82159	739.7137	51.7 ± 0.9	15	Li	SB1
	742.7242	27.5 ± 0.7	15	Ha	
	745.7083	3.8 ± 1.1	4	Ca	
SAO 98614	739.7561	27.1 ± 0.6	21	Li	C
	741.7519	27.0 ± 1.0	20	Ha	
	745.7381	26.3 ± 1.0	1	Ca	
HD 82558	740.8207	7.3 ± 0.9	7	Li	C
	742.8273	7.1 ± 1.7	7	Ha	
HD 96064	740.8659	18.8 ± 0.8	20	Li	C
	742.8721	18.7 ± 0.6	16	Ha	
	743.8826	18.3 ± 0.6	16	Ha	
	745.8633	17.5 ± 0.8	16	Ca	
HD 118100	738.8627	-22.0 ± 0.8	12	Li	C
	741.8668	-22.4 ± 0.8	13	Ha	
HD 140637	956.4957	-4.3 ± 1.1	18	Li	C
	958.5357	-5.0 ± 1.0	12	Ha	
	959.5109	-5.8 ± 1.7	4	Ca	
HD 141943	955.5441	-0.5 ± 2.5	6	Li	C
	957.5332	-4.0 ± 2.3	3	Ha	
	959.5037	-1.7 ± 3.1	6	Ca	
HD 143937A	954.5567	-155.2 ± 2.0	2	1 Li	SB2
	954.5567	52.5 ± 6.6	2	2 Li	
	956.5923	-135.4 ± 1.5	2	1 Li	
	956.5923	34.4 ± 2.2	2	2 Li	
	960.5382	60.6 ± 7.4	2	1 Ca	
	960.5382	-172.3 ± 15.7	2	2 Ca	
HD 143937B	955.6130	-55.0 ± 1.1	8	Li	
HD 156498	955.4837	20.6 ± 0.5	19	Li	?
	958.4783	14.4 ± 0.6	8	Ha	
	958.4783	26.0 ± 0.5	8	Ha	
HD 171488	954.4807	-22.1 ± 1.1	4	Li	C
	957.4914	-22.7 ± 2.9	3	Ha	
	959.4700	-25.8 ± 4.8	8	Ca	
HD 195434	956.5663	-51.6 ± 0.5	16	Li	C
	957.5176	-51.9 ± 0.5	14	Ha	
	960.5993	-51.5 ± 1.0	20	Ca	

Table 5. continued

Star name	HJD	RV	N	SR	notes
HD 197890	954.5989	-11.3 ± 10.8	3	Li	C
	954.6457	-16.7 ± 11.5	3	Li	
	956.6620	-2.1 ± 26.0	3	Li	
	959.6440	-17.6 ± 6.2	2	Ca	
HD 217411	954.6910	21.7 ± 0.6	26	Li	C
	958.6669	21.4 ± 0.6	17	Ha	
	959.7099	22.3 ± 0.9	20	Ca	
HD222259	955.6679	8.3 ± 1.5	10	Li	C
	957.6955	7.4 ± 0.6	8	Ha	
	959.7603	7.3 ± 2.5	8	Ca	
HD 223816	956.7708	20.3 ± 2.2	6	Li	C
	958.8069	18.8 ± 3.4	5	Ha	
	960.7263	18.0 ± 3.0	6	Ca	
HD 291095	738.6510	78.9 ± 10.6	9	Li	SB1
	741.6356	27.3 ± 5.8	4	Ha	
BD -00 1712	739.6614	-80.2 ± 3.2	5	1 Li	SB2
	739.6614	100.9 ± 1.0	4	2 Li	
	743.6641	5.5 ± 1.1	7	Ha	
	745.6703	-29.7 ± 1.0	1	1 Ca	
	745.6703	45.5 ± 1.0	1	2 Ca	
BD +09 73	956.7180	-26.3 ± 4.0	11	Li	SB1
	958.7741	-40.6 ± 0.8	11	Ha	
SAO 91772	954.7394	40.2 ± 1.5	7	Li	SB1
	958.7425	23.1 ± 4.0	12	Ha	
	960.6814	8.7 ± 3.5	14	Ca	
SAO 111210	955.8203	10.0 ± 2.1	7	Li	C
	957.7972	11.0 ± 2.3	6	Ha	
	959.8499	8.1 ± 2.8	6	Ca	
SAO 150508	954.8750	26.6 ± 0.8	7	Li	C
	958.8513	25.6 ± 1.3	5	Ha	
	960.8478	27.2 ± 2.1	6	Ca	
SAO 150676	958.8798	25.8 ± 1.4	10	Li	C
	956.8597	25.9 ± 1.8	5	Ha	
SAO 151224	738.7098	79.3 ± 5.3	6	1 Li	SB2
	738.7098	-27.3 ± 1.3	5	2 Li	
	743.7180	80.8 ± 9.7	5	1 Ha	
	743.7180	-29.4 ± 2.6	9	2 Ha	
	744.6897	96.3 ± 1.0	1	1 Ca	
	744.6897	-34.9 ± 1.0	1	2 Ca	
SAO 196024	960.9017	22.5 ± 1.2	17	Li	C
	957.8961	21.7 ± 1.2	11	Ha	
	956.9021	22.2 ± 2.9	17	Ca	
SAO 234124	955.8918	75.2 ± 2.5	18	Li	SB1
	958.9080	-45.0 ± 2.9	11	Ha	
SAO 243278	954.5192	-101.9 ± 2.5	3	1 Li	SB2
	954.5192	96.5 ± 7.4	3	2 Li	