Table 2. Mean atmospheric extinction coefficients for La Silla site, obtained over the intervals 31 December 1992 - 18 January 1993 (1993.02) and 20 November - 03 December 1993 (1993.91)

	Epoch	U	B	V	R	I
mag/airmass	1993.02	.522	.294	.203	.163	.117
mag/airmass	1993.91	.429	.210	.128	.088	.058

Table 1. Program star (v), Mean epoch of observation (1900.0 +), comparison (c) and check (ck) stars, standard deviations (in millimagnitudes) for the v-c (σ_v) and ck-c (σ_{ck}) V-band differential magnitudes for each series of N nights, peak-to-peak (ΔV) amplitude of the V-band light curve (in magnitudes) and period (P) of variability

Program star (v)		Epoch	Comparison (c)	Check (ck)	σ_v	σ_{ck}	N	ΔV	P (days)
HD 7172		93.02	HD 7270	HD 7629	22	5	13	.07	3.15
		93.91	HD 7220	HD 7629	15	6	12	.05	3.20
HD 8357	= AR Psc	90.83	HD 7446	HD 7918	33	7	14	.09	12.56
		91.82			21	6	11	.07	12.14
		92.00			39	6	11	.11	12.20
		92.85			18	5	20	.06	12.26
		93.03			30	6	17	.09	12.38
		93.87			29	5	28	.09	12.19
HD 8358	= BI Cet	93.02	HD 8405	HD 8615	26	5	13	.09	0.5195
		93.99			18	10	8	.05	0.5314
HD 16157	= CC Eri	93.02	HD 16371	SAO 215945	23	7	11	.07	1.56145
		93.91			27	5	11	.08	1.56145
SAO 130113	= BY Cet	92.98	SAO 130102	HD 16708	38	4	17	.12	2.60
		93.97		HD 16619	30	6	15	.09	2.61
HD 17925	= EP Eri	93.02	HD 18511	HD 18183	4	2	7	.01	–
HD 20629	= XX Ari	92.99	HD 21335	HD 20512	37	4	26	.11	2.4997
		93.94		HD 22072	37	10	11	.11	2.4997
HD 26354	= AG Dor	93.02	HD 26779	HD 27274	10	5	11	.03	2.533
HD 32918	= YY Men	93.02	HD 33763	HD 33747	60	3	15	.17	9.5476
1E 0505-0527	= EZ Eri	93.02	HD 33725	HD 34673	14	4	8	.04	9.08
HD 293857		93.02	HD 33725	HD 34673	5	4	7	.01	–
HD 34802	= YZ Men	93.02	HD 34297	HD 33563	32	5	15	.09	19.310
HD 35850		93.02	HD 36379	HD 35591	2	2	4	–	–
EXO 0527-3329	= UX Col	93.02	SAO 195800	HD 35322	24	7	14	.10	2.29
HD 36705	= AB Dor	93.02	HD 35230	HD 36316	8	5	8	.03	0.51479
EXO 0532-0510	= V1321 Ori	93.02	HD 294257	HD 36560	58	6	16	.18	5.7
HD 37824	= V1149 Ori	90.92	HD 37741	HD 38529	50	7	19	.13	49.13
		91.15			36	8	14	.11	49.13
		91.86			62	7	22	.19	49.07
		92.80			69	10	19	.22	50.81
		93.01			42	10	31	.16	50.81
		93.83			42	7	26	.15	54.23
		94.06			38	7	20	.13	54.23
HD 37847	= TW Lep	93.02	HD 37653	SAO 170680	20	4	11	.05	28.22
HD 39917	= SZ Pic	93.02	HD 39901	HD 39962	42	5	12	.15	4.905
EXO 0556-3804	= TY Col	93.02	HD 40865	HD 39601	20	5	13	.06	3.82
HD 61245	= V344 Pup	93.02	HD 61390	HD 60574	13	4	11	.05	11.761
HD 72688	= VX Pyx	93.02	HD 73089	HD 72673	4	5	9	.02	19.34
HD 78423		93.02	HD 77640	HD 78612	10	4	4	.03	?
HD 81410	= IL Hya	93.02	HD 81904	HD 80991	61	4	14	.19	12.90522
HD 82558	= LQ Hya	93.02	HD 82508	HD 82477	19	10	12	.07	1.63
HD 98712	= SZ Crt	93.02	HD 97977	HD 98251	9	7	11	.03	11.58
SAO 202618	= V858 Cen	93.02	HD 100912	HD 101679	21	5	13	.06	1.043602
HD 101309	= V829 Cen	93.02	HD 101679	HD 101614	30	3	15	.11	11.65
HD 106225	= HU Vir	93.02	HD 106270	HD 105796	44	4	13	.15	10.424
HD 119285	= V851 Cen	93.02	HD 119164	HD 119076	9	2	7	.03	12.05
HD 197481	= AU Mic	93.91	HD 197237	HD 197339	73	5	9	.22	4.865

Table 3. Maximum luminosity (V_m) and corresponding colours measured for the program stars at the given Epoch (1900.0+), inferred spectral classification (Spectral Type), distance measured by the Hipparcos satellite (D_H), photometric distance inferred from the adopted spectral classification (d_{ph}) and V-band maximum luminosity ever observed (V_{max})

Program Star	Epoch	V_m	U−B	B−V	V−R	V−I	Spectral Type	D_H	d_{ph}	V_{max}
HD 7172	93.02	9.66	0.04	0.63	0.35	0.68	G2/3 V	>27	100	9.64
	93.91	9.64	0.05	0.63	0.34	0.68				
AR Psc	90.83	7.30	0.37	0.83			K1 IV/V + G5/6 V	45	46	7.24
	91.82	7.34		0.82						
	92.00	7.30	0.36	0.84						
	92.85	7.31	0.38	0.83						
	93.03	7.29	0.37	0.85	0.50	1.01				
	93.87	7.29	0.37	0.83						
BI Cet	93.02	8.18	0.16	0.71	0.42	0.85	G6 V/IV + G6 V/IV	66	65	8.08
	93.99	8.28	0.21	0.72						
CC Eri	93.02	8.82	1.12	1.37	0.88	1.85	K7 V + M3 V	11.5	11.5	8.70
	93.91	8.80	1.10	1.38	0.87	1.84				
BY Cet	92.98	9.54	0.28	0.78	0.48	0.94	G7 V + K5: V	>23	76	9.54
	93.97	9.59	0.29	0.79	0.48	0.94				
EP Eri	93.02	6.05	0.58	0.87	0.49	0.91	K0/1 V	10.4	10	6.00
XX Ari	92.99	7.34	-.41	-.05	-.01	-.03	B9 V SiCr	238	257	7.34
AG Dor	93.02	8.55	0.63	0.91	0.54	1.03	K1 V + K5 V	35	35	8.55
YY Men	93.02	7.99	0.70	1.04	0.58	1.14	K1 III	292	219	7.93
EZ Eri	93.02	10.17	0.53	0.91	0.51	1.00	K2 IV + G2 V		290	10.17
HD 293857	93.02	9.26	0.24	0.73	0.42	0.82	G7 V	53	61	9.26
YZ Men	93.02	7.75	0.78	1.09	0.61	1.17	K1 III	180	185	7.52
HD 35850	93.02	6.30	0.03	0.55	0.33	0.62	F8/9 V	26.8	29	6.29
UX Col	93.02	10.50	0.81	1.06	0.64	1.24	K3/5 PMS		>43	10.50
AB Dor	93.02	6.86	0.39	0.83	0.49	0.96	K0 V	14.9	15	6.75
V1321 Ori	93.02	10.62	0.85	1.25	0.74	1.45	K3 wTTS		500:	10.50
V1149 Ori	90.92	6.78	0.94	1.12			K2/3 III +F8 V	144	126	6.59
	91.15	6.80	0.92	1.13						
	91.86	6.77		1.12						
	92.80	6.75	0.94	1.13						
	93.01	6.75	0.94	1.14	0.63	1.18				
	93.83	6.81	0.96	1.14						
	94.06	6.80	0.96	1.13						
TW Lep	93.02	7.35	0.74	1.06	0.60	1.16	K2/3 III + F6 IV	170	177	7.27
SZ Pic	93.02	7.81	0.31	0.81	0.46	0.90	K0 IV/III + G3 IV/III	195	190	7.81
TY Col	93.02	9.56	0.17	0.69	0.42	0.82	G5 V PMS		>83	9.53
V344 Pup	93.02	6.89	0.82	1.04	0.56	1.06	K1 IV/III	111	102	6.85
VX Pyx	93.02	6.36	0.68	0.95	0.49	0.94	K0 III + F6 IV	131	117	6.32
HD 78423	93.02	7.82	0.00	0.04	0.01	0.03	A1/2 III:	345	334:	7.82
IL Hya	93.02	7.24	0.73	1.02	0.56	1.08	K1 III/IV + ?	120	119	7.20
LQ Hya	93.02	7.78	0.56	0.91	0.53	1.02	K2 V	18.3	18.5	7.77
SZ Crt	93.02	8.62	1.19	1.33	0.84	1.67	K7 V + M2/3 V	13.2	12	8.59
V858 Cen	93.02	10.52	0.54	0.90	0.54	1.08	K1 V/IV + M5:V		94	10.50
V829 Cen	93.02	7.80	0.48	0.92	0.54	1.05	K1 IV + G5 V	122	127	7.80
HU Vir	93.02	8.70	0.61	1.00	0.58	1.14	K1 IV + ?	125	170	8.55
V851 Cen	93.02	7.67	0.80	1.08	0.62	1.20	K3 IV/V	76	76	7.62
AU Mic	93.91	8.59	1.10	1.47	0.95	2.01	M1 Ve	9.9	7.6	8.59

Table 4. V magnitude and colours for the c and ck stars obtained at ESO. Errors are of the order of 0.01 magnitudes. The symbol ":" denotes errors of the order of 0.02 magnitudes; the epochs of observation are given in Table 1

c or ck	V	U−B	B−V	V−R	V−I	c or ck	V	U−B	B−V	V−R	V−I
HD 7220	8.42	1.08:	1.13	0.57	1.08	HD 36560	8.26	-.35	-.08	-.03	-.08
	8.42	1.08:	1.13	0.57	1.08	HD 36316	7.95	1.74	1.46	0.79	1.51
HD 7446	6.04	1.05:	1.08	0.54	1.02	HD 294257	9.81	0.03	0.48	0.29	0.56
HD 7629	7.13	0.04:	0.31	0.18	0.36	HD 37653	8.24	0.50:	0.88	0.48	0.93
	7.14	0.05:	0.30	0.17	0.36	HD 37741	8.20	0.91:	1.07	0.57	1.06
HD 7918	8.01	1.02:	1.11	0.56	1.07	SAO 170680	8.96	0.91:	1.04	0.53	1.01
HD 8405	9.14	0.64	0.96	0.50	0.98	HD 38529	5.93	0.45:	0.77	0.42	0.76
HD 8615	8.88	0.81:	1.03	0.53	1.03	HD 39601	8.17	0.29	0.79	0.44	0.86
SAO 215945	9.73	-.03:	0.38	0.24	0.45	HD 39901	6.55	1.64:	1.37	0.70	1.32
	9.72	-.03:	0.38	0.21	0.45	HD 39962	7.97	-.05:	0.40	0.25	0.50
HD 16371	8.09	0.56:	0.90	0.48	0.93	HD 40865	8.62	0.06	0.63	0.36	0.70
	8.09	0.54:	0.90	0.47	0.93	HD 60574	6.53	0.56	0.92	0.49	0.95
HD 16619	7.82	0.14:	0.66	0.36	0.70	HD 61390	7.92	0.72	1.01	0.53	1.03
HD 16708	7.07	0.72:	1.01	0.53	1.02	HD 72673	6.38	0.35:	0.78	0.43	0.84
SAO 130102	10.11	0.08:	0.60	0.34	0.65	HD 73089	6.70	1.59:	1.38	0.71	1.37
	10.11	0.08:	0.60	0.33	0.64	HD 77640	6.82	-.19	-.05	-.03	-.06
HD 18511	6.52	0.82:	1.03	0.54	1.04	HD 78612	7.16	0.07	0.63	0.33	0.67
HD 18183	7.08	0.09:	0.33	0.21	0.41	HD 80991	8.50	0.83:	1.04	0.53	1.02
HD 20512	7.42	0.41:	0.79	0.44	0.85	HD 81904	8.02	0.71:	0.98	0.51	0.98
HD 21335	6.54	0.06:	0.17	0.10	0.21	HD 82477	6.13	1.18	1.19	0.62	1.17
HD 26779	8.58	1.26:	1.23	0.63	1.19	HD 82508	7.58	0.35	0.71	0.41	0.80
HD 27274	7.64	1.11:	1.12	0.68	1.22	HD 97977	8.85	1.67	1.42	0.75	1.43
HD 33563	7.53	-.04:	0.49	0.30	0.58	HD 98251	9.21	1.49	1.31	0.69	1.30
HD 33725	8.04	0.44:	0.80	0.44	0.84	HD 100912	8.63	0.44	0.93	0.51	1.02
HD 33747	8.76	0.74:	0.98	0.52	1.01	HD 101614	6.86	0.02	0.58	0.34	0.67
HD 33763	8.38	0.50:	0.89	0.48	0.94	HD 101679	8.11	0.81	1.09	0.59	1.15
HD 34297	7.33	0.07:	0.65	0.38	0.74	HD 105796	8.07	0.94:	1.06	0.56	1.05
HD 34673	7.77	0.93:	1.04	0.63	1.21	HD 106270	7.60	0.30:	0.73	0.41	0.78
HD 35230	7.58	0.48	0.88	0.48	0.93	HD 119076	6.87	0.90	1.16	0.61	1.15
HD 35322	8.42	-.03:	0.41	0.26	0.49	HD 119164	7.20	1.15	1.29	0.65	1.23
HD 35591	6.54	1.05:	1.09	0.55	1.01	HD 197237	9.00	0.83:	0.99	0.51	0.97
SAO 195800	9.17	0.37:	0.84	0.47	0.92	HD 197339	7.40	1.43:	1.30	0.66	1.23
HD 36379	6.94	0.03:	0.56	0.33	0.63						

Table 5. Revised spectral classification, based on the latest version of the ASC method, for some active stars previously observed by our group; the previous classification and the corresponding reference, the distance range measured by the Hipparcos satellite (D_H) and the photometric distance inferred from the adopted spectral classification (d_{ph}) are also listed

Program Star	Revised classification	Previous classification	Reference	D_H	d_{ph}
HD 17144 = UY For	K2/3 III	K2/3 III + F6 V	A	202 - 382	258
HD 26913 = V891 Tau	G5 V	G5/6 IV/V	A	20.4 - 21.4	25
HD 31738 = V1198 Ori	G5/6 IV/V + ?	G6 IV + G1V	B	32 - 35	39
HD 46697 = TZ Pic	K1 III	K2 III/IV	B	159 - 196	120
HD 71071 = LU Hya	K1 IV/V	K1 IV + G5 V ?	C	47 - 52	41
HD 117860	G3 V	G3/4 V	D	31 - 33	34
HD 147633	G2/3 V + G4 V	K0 IV + F2/3 V	D	40 - 52	47
HD 159808	F4/5 V + F5 V	F6 V	D	118 - 196	125
HD 170196	B9 III	B9 V	D	394 - 1190	485
HD 217344 = TZ PsA	G5 V + K3 V + K9:V	G5/6 IV + ?	E	59 - 74	56
HD 218515	A0/1 V	A1/2 V	D	178 - 265	222
HD 219025 = BI Ind	K3 III + K1 IV/III	K3 III + F4 V	B	246 - 410	272
HD 220096	G4 III	G8 IV	D	93 - 110	90

References: A = A&AS 89,435; B = A&AS 111,507; C = A&AS 102,655; D = A&AS 115,41; A&AS 121,369