type between O and G that had no given classification within the NSV catalogues were also checked. The method of bisected chords was used to determine times of minima. The accuracy depends on the quantity and quality of the observations. Elements were found with AVE (Barberá, 1999) and a Microsoft Excel period search utility kindly provided by Patrick Wils (Wils, 2003). Table 1 shows the list of variables. The first column gives the variable star designation according to the GCVS. The following columns give another identifier; the brightness range of the variable, with the magnitude of secondary eclipse between brackets; the epoch of minimum light derived from the complete dataset; the period; the variability class and the spectral type with a note to the spectral type source.

Table 1. New elements for 80 eclipsing binary stars.

Star Name		Magnitude range		Epoch	Period	Type	Spectral type
Variable	Other ID		(V)	(HJD2440000+)	(days)		
AC Pyx *	HIP 041811	7.78	8.06 (8.03)	8503.246	7.66793	EA	A0/A1IV (4)
DP Cet *	HIP 010099	6.79	6.99 (6.9:)	8686.729	2.36817	EA	A2 (24)
DV Boo *	HIP 070287	7.53	7.76 (7.69)	8045.254	3.78264	EA	F1Vm (8)
GZ Dra *	HIP 089243	9.46	9.78 (9.6:)	8745.844	2.253355	EA	F0 (24)
GZ UMa	HIP 052892	10.48	11.02(10.98)	11556.830	6.5420	EA	G0 (28)
IL Lib *	HIP 074127	7.56	7.84(7.81:)	8443.842	5.76937	EA	F0V (5)
IV Lib *	HIP 076480	8.35	8.95 (8.55)	11932.900	6.8617	EA/GS	K1III+(F) (4)
IW CMa	HIP 030583	6.88	7.02 (6.99)	8799.850	6.23584	EA	A0V (3)
KV CMa *	HIP 032856	7.16	7.40(7.40:)	8353.430	68.3842	EA	B3n (44)
LL Aqr *	HIP 111454	9.23	9.86 (9.59)	8762.552	20.1784	EA	G1V (5)
LQ Mus *	HIP 062801	9.04	9.66:(9.65)	12712.719	7.50640	EA	F5V (1)
MP Del *	HIP 100981	7.56	7.87 (7.81:)	8246.300	21.3387	EA	A3mA8-F3 (27)
NSV 00233*	GSC 0013 0919	11.97	12.52(12.41)	11384.436	4.09242	EB	
NSV 00726	GSC 2317 0163	11.90	12.5:(12.05)	11437.733	0.88198	EB:	
NSV 01403	GSC 4327 0280	12.30	14.4 (12.47)	11401.892	1.40856	EA	
NSV 02470	GSC 0714 0391	11.95	13.32 (12.3)	12896.886	5.5416	EA	
NSV 03443	GSC 9380 1419	12.45	14.6 (12.65)	11935.585	4.5521	EA	
NSV 03728	GSC 0790 0482	11.32	11.95(11.83:)	12971.806	2.14948	EA	
NSV 04638	GSC 4631 1042	10.57	10.95(10.85)	11278.439	0.690046	EB	F4(14)
NSV 05040	GSC 3827 0163	12.68	13.4 (13.4:)	11306.810	3.02405	EA	
NSV 05914	GSC 6110 0930	12.76	14.7(13.05:)	12086.498	1.78878	EA	
NSV 06157*	HIP 064716	8.77	8.98 (8.87)	11955.858	13.4197	EA	B1/2V (1)
NSV 06968	GSC 7830 0775	12.15	14.2:(12.32)	12441.566	5.4193	EA	
NSV 07178*	HD 139337	9.20	9.56 (9.51)	12062.557	3.2300	EA	B9IV (1)
NSV 07400*	HD 143511	8.33	8.88 (8.85)	12104.552	5.5354	EA	A0IV/V (1)
NSV 07746	GSC 7348 1787	12.88	14.2:(13.07)	12924.412	2.918	EA	
NSV 08499	GSC 4568 0313	11.09	12.00(11.70)	11274.913	0.32540	EW	
NSV 10982*	GSC 5699 2009	9.69	9.96 (9.93)	12879.618	4.95232	EA/KE	B1:V:pe (36)
NSV 11243*	HD 172666	10.05	10.55:(10.27)	12104.605	6.4478	EA	A9IV (2)
NSV 11781*	HD 178755	8.60	9.05 (8.88:)	12474.633	11.7902	EA	B9V (3)
NSV 12326	GSC 8778 1496	12.76	13.74(12.9:)	12069.712	0.844598	EA	
NSV 12870*	GSC 2679 2844	10.97	11.27 (11.2)	11354.500	32.34	EB/GS:	
NSV 13121	GSC 0522 0799	12.25	12.45(12.93:)	12832.775	0.646147	EA	

1997).
NSV 18553 = Koen an Eyer (2002) give a wrong period of 0.5886647 d.
NSV 18786 = Eccentric system.
NSV 19698 = Slightly eccentric.
NSV 19773 = Koen and Eyer (2002) give per = 0.3977978 d.
NSV 20174 = Period might be half the value given. Primary eclipse might be the secondary.
NSV 20433 = Very eccentric system. Total eclipses.
NSV 20827 = Spectroscopic binary with a period of 2^{d}.1579 in Batten et al., 1989.
NSV 20894 = Period might be half the value given.
NSV 20913 = Eccentric system. Visual binary. A=8^{m}.6; B=10^{m}.1 Hp. Sep. 1".44 (Perryman et al., 1997).
NSV 22984 = Primary eclipse might be the secondary.
NSV 24620 = Visual binary. A=9^{m}.9; B=13^{m}.3 Hp. Sep. 3".14 (Perryman et al., 1997).
NSV 25862 = Visual binary. A=9^{m}.2; B=12^{m}.7 Hp. Sep 0".72 (Perryman et al., 1997).
NSV 25928 = Period might be half the value given.
PQ Vel = Eccentric system. Period 22^{d}.25 in the HIP catalogue. Very few observations at minimum II.
PS Ser = RS period is 18^{d}.843 Koen and Eyer (2002) give per= 18^{d}.769 Known as a spectroscopic binary with a period of 15^{d}.8880 (Batten et al., 1989) Visual binary. A=8^{m}.7; B=9^{m}.3 Hp. Sep. 0".4 (Perryman et al., 1997). B is also a spectroscopic binary. AB-combined light given. The F8+F8 spectrum is for the unresolved A and B stars.
QR Hya = Eccentric system.
QY Vel = Wrong period in the HIP catalogue (9^{d}.571).
V0365 Pup = Eccentric system. Period 30^{d}.01 in the HIP catalogue.
V0392 And = Period might be half the value given. Primary eclipse might be the secondary. Visual binary. A=9^{m}.3; B=11^{m}.5 Hp. Sep. 2".28 (Perryman et al., 1997). Hipparcos B-V (0^{m}.14) is wrong. B-V from Tycho-2 is 0^{m}.42, consistent with TASS V magnitude.
V0454 Cep = Slight apsidal motion. Batten et al. (1989) give a spectroscopic period of 5^{d}.6556.
V0467 Car = Eccentric system.
V0775 Cas = Eccentric system. Wrong period suggested in the HIP catalogue (2^{d}.95946).
V0912 Her = Primary eclipse might be the secondary.
V1044 Sco = Visual binary. A=8^{m}.8; B=11^{m}.5 Hp. Sep. 10".3 (Perryman et al., 1997). Cutispoto et al. (1999) give spectral type G9V+M0:V+K7:V. According to Woolley et al. (1970), the M0 star is the visual binary.
V1126 Tau = Visual binary. A=10^{m}.7; B=12^{m}.5 Hp. Sep. 0".28 (Perryman et al., 1997).

Table: 5557-t2.tex
The table with light curve links