Cataclysmic Binaries

Object Name Altern.Name	Coordinates (J2000)	Type	mag1 mag2	mag3 mag4	T1 T2	Orb.Per. 2. Per.	3. Per. 4. Per.	EB SB	Spectr2 Spectr1	M1/M2	Incl	M1	M2
V1017 Sgr N Sgr 1919	18 32 04.5 -29 23 12 1	Nb DN	13.7	7.2		5.714		 1	G5/3p				
MR Vel 0925-4758	09 25 45.9 -47 58 18 1	SS	17.0 17.3			4.028782		 1			55 10		
V630 Cas N Cas 1950	23 48 51.9 +51 27 39 1	DN	16.6	14.3		2.56387		 2	K4-5	5.5 0.6	72.5 5.5	1.01 0.13	0.18 0.02
GK Per N Per 1901	03 31 12.0 +43 54 16 1	Na DN IP	10.2 14.0	0.2	1098	1.996803	351.34	 2	K1/4	2.1 0.8	<73	0.87 0.24	>0.48 0.32
X Ser N Ser 1903	16 19 17.7 -02 29 30 1	Nb:	16.4	8.9B		1.48		 1					
U Sco N Sco 1987	16 22 30.8 -17 52 44 1	Nr	17.9 19.5	8.8	4000	1.230552 0.05313 :		1 2	K2/4	1.82 0.23	82.7 2.9	1.55 0.24	0.88 0.17
WY CMa	07 11 40.1 -26 58 40 1	?	14.5 15.4			1.14433 :							
AKO 9	00 24 05.0 -72 04 55 1	DN	17.0			1.108		1					
CAL 83 LHG 83	05 43 34.2 -68 22 22 1	SS	16.2 18.3			1.04752		 1					
V731 Cas V9(NGC 7789)	23 57 00.3 +56 45 08 1	NL?	19.1 19.5			0.7806		1					
J0513-6951	05 13 50.8 -69 51 47 1	SS	16.0 17.5			0.762943		 2					
V394 CrA N CrA 1987	18 00 26.0 -39 00 35 1	Nr	17.8 18.8	7.2		0.7577 :							

Object Name Altern.Name	Coordinates (J2000)	Type	mag1 mag2	mag3 mag4	T1 T2	Orb.Per. 2. Per.	3. Per. 4. Per.	EB SB	Spectr2 Spectr1	M1/M2	Incl	M1	M2
V723 Cas N Cas 1995	01 05 05.4 +54 00 41 1	Nb	19.0B	6.9		0.693265							
QR And J0019+2156	00 19 49.8 +21 56 53 1	SS	11.5 13.0			0.660465		1 1					
CI Aql	18 52 03.6 -01 28 39 1	Nr	15.4 16.2	8.8		0.6184		1					
BV Cen	13 31 19.6 -54 58 34 1	DN UG	12.6 13.3	10.5	167	0.610108		 2	G5-8/5	0.92 0.06	62 5	0.83 0.10	0.90 0.10
V841 Oph N Oph 1848	16 59 30.3 -12 53 27 1	Nb	13.5 13.8	4.2		0.60423 :		 1					
DI Lac N Lac 1910	22 35 48.6 +52 43 00 1	Na	14.3 14.6	4.6		0.543773		 1					
V Sge	20 20 14.8 +21 06 09 1	SS	10.5 14.5			0.514197		2 2	 WN5 :	0.27 0.04	71	0.88 0.22	3.32 0.77
J1951+3716	19 51 47.5 +37 16 48 1	NL?	15.5B			0.493		 1					
NGC 6397-CV1	17 40 41.4 -53 40 20 1		17.9 18.3			0.472		1					
CP Cru N Cru 1996	12 10 31.4 -61 45 10 1	Na:	19.6	9.2		0.471							
V442 Cen	11 24 51.9 -35 54 38 1	DN UG	16.5	11.9	32	0.46 :							
EY Cyg	19 54 36.8 +32 21 55 1	DN UG	15.5	11.4	96	0.459326		 2	KO-5/5	2.1 0.2	16 1	0.69	1.26
QU Car	11 05 42.8 -68 37 58 1	NL	11.1 11.5			0.454		 1			<60		

Object Name Altern.Name	Coordinates (J2000)	Type	mag1 mag2	mag3 mag4	T1 T2	Orb.Per. 2. Per.	3. Per. 4. Per.	EB SB	Spectr2 Spectr1	M1/M2	Incl	M1	M2
CAL 87 LHG 87	05 46 45.1 -71 08 54 C	SS	19.0 21.8			0.442677		1					
DX And	23 29 46.7 +43 45 04 1	DN UG	16.5	10.9	300	0.440502		2	K0/V	1.5 0.2	45 12		<0.8
UY Pup	07 46 31.2 -12 57 09 1	DN ZC	15.8	13.5	85	0.426 :		1					
KO Vel	10 15 58.4 -47 58 11 1	NL IP	16.7 19.0			0.422	4086 : 5330 :	1					
0928+5004	09 32 14.9 +49 50 54 1	NL UX	14.3 15.7			0.418380		1 2					
WX Cen	13 12 52.5 -63 23 45 1	NL? SS?	13.4 14.2			0.4170		2					
V1062 Tau	05 02 27.5 +24 45 23 1	NL IP	15.1B 16.1B			0.415	3704 3794						
AE Aqr	20 40 09.0 -00 52 16 1	NL DQ	10.7 11.8	9.8		0.411656	33.0767	2	K4/5	1.59 0.03	58 6	0.79 0.16	0.50 0.10
J1548-4528	15 48 14.6 -45 28 40 1	NL IP	14.5 14.6			0.402 :	693 707.4	1					
J0527-6954	05 27 48.9 -69 54 09 5	SS	>19 B			0.3926							
SY Cnc PG 0858+181	09 01 03.4 +17 53 56 1	DN ZC	13.5 14.5	10.9 12.2	22-51	0.380		1	K7/5				
AT Ara	17 30 33.8 -46 05 59 1	DN UG	15.3	11.5	97	0.3755		2	K2/5	1.27 0.06	38 5	0.54 0.15	0.43 0.12
RU Peg	22 14 02.6 +12 42 11 1	DN UG	12.6 13.1	9.0	76	0.3746		2	K3/5	1.29 0.20	33 5	1.21 0.19	0.94 0.04

Object Name Altern.Name	Coordinates (J2000)	Type	mag1 mag2	mag3 mag4	T1 T2	Orb.Per. 2. Per.	3. Per. 4. Per.	EB SB	Spectr2 Spectr1	M1/M2	Incl	M1	M2
RZ Gru	22 47 12.0 -42 44 39 1	NL UX	12.3 13.4			0.360 :		 1					
QZ Aur N Aur 1964	05 28 34.0 +33 18 23 1	Na	17.0 18.3	6. :		0.357496		1 1	G8-K2/5	1.0 0.2	75 1	1.05 0.23	1.05 0.05
V368 Aql N Aql 1936	19 26 34.4 +07 36 14 1	Na	16.2 17.8	6.6		0.3452		1					
CH UMa PG 1003+678	10 07 00.6 +67 32 47 1	DN UG	15.3	10.7	370	0.343		 2	M0/5	2.05 0.29	21 4	1.95 0.30	0.96 0.01
MU Cen	12 12 53.9 -44 28 16 1	DN UG	14.9	11.8	45	0.342		 1		1.20 0.23	>45	1.20 0.20	0.99 0.03
BT Mon N Mon 1939	06 43 47.2 -02 01 15 1	Na	15.4 18.1	4.5?		0.333814		1 2	G8/5	1.19 0.06	82.3 3.2	1.04 0.06	0.87 0.06
V1309 Ori J0515+0104	05 15 41.4 +01 04 40 1	NL AM	16.0 17.5			0.332612		1 1	M0-1/5	1.50 0.13	77.8 1.2	0.70 0.12	0.5 0.1
AF Cam	03 32 15.6 +58 47 22 1	DN UG	17.0 17.3	13.4	75	0.324 :		 	K4-M0/5				
V363 Aur Lanning 10	05 33 33.5 +36 59 32 1	NL UX	14.2 15.0			0.321242		1 2	K0/5	1.12 0.04	70 2	0.86 0.08	0.77 0.04
V2069 Cyg	21 23 44.8 +42 18 02 1	NL?	15.9			0.31168		 1					
AC Cnc	08 44 27.2 +12 52 32 1	NL UX	13.8 15.4			0.300478		1 2	G8-K2/5	0.81 0.05	72 3	0.82 0.13	1.02 0.14
V2274 Cyg N Cyg 2001#1	20 07 17.9 +36 04 37 1	N	>19.5	11.7		0.30 :							
V838 Her N Her 1991	18 46 31.5 +12 14 02 1	Na	19.2 19.7	5.4		0.297635		1 1		1.18 0.18	84 6	0.87 0.12	0.74 0.01

Object Name Altern.Name	Coordinates (J2000)	Type	mag1 mag2	mag3 mag4	T1 T2	Orb.Per. 2. Per.	3. Per. 4. Per.	EB SB	Spectr2 Spectr1	M1/M2	Incl	M1	M2
EM Cyg	19 38 40.1	DN ZC	13.3	12.5	13-46	0.290909		1	K3/5	1.14	67	1.12	0.99
	+30 30 28 1		14.4	12.9				2		0.07	2	0.08	0.12
Z Cam	08 25 13.2	DN ZC	12.6	10.5	12-30	0.289841			K7/5	1.41	57	0.99	0.70
	+73 06 39 1		13.3	11.6				2		0.20	11	0.15	0.03
J0813+4528	08 13 21.9	DN UG?	18.3			0.2881			K-M				
	+45 28 10 1							1					
V426 Oph	18 07 51.7	DN ZC	11.5		17-55	0.2853			K5/5	1.29	59	0.90	0.70
	+05 51 49 1		13.4					2		0.10	6	0.19	0.14
BY Cir	14 44 53.6	N	17.9	7.2		0.282							
N Cir 1995	-63 53 55 1												
SS Cyg	21 42 42.7	DN UG	11.4	8.2	50	0.275130			K5/5	1.69	37	1.19	0.704
	+43 35 10 1		12.1					2		0.06	5	0.02	0.002
1045+5234	10 48 18.0	DN?	15.1			0.271278			K5-M0/5				
UMa 5	+52 18 30 1		15.4					2					
CM Phe	00 21 33.1	NL	15.3			0.2689			M5/5				
Phe 1	-51 42 34 1							2					
TT Crt	11 34 47.2	DN	15.9	12.7		0.26842			K5-M0/5				
	-11 45 30 1		16.3					2					
EI UMa	08 38 22.0	DN UG	14.8			0.2681							
PG 0834+488	+48 38 02 1							1					
U Leo	10 24 03.9	N ?	17.3	10.5		0.2674	:						
N Leo 1855	+14 00 26 1												
TW Pic	05 34 50.7	NL VY?	14.1	18.1		0.265	:						
H 0534-581	-58 01 41 1	SH?	15.9			0.253	:						
BV Pup	07 49 05.3	DN UG	15.6	13.1	30	0.265							
	-23 34 01 1		15.9										

Object Name Altern.Name	Coordinates (J2000)	Type	mag1 mag2	mag3 mag4	T1 T2	Orb.Per. 2. Per.	3. Per. 4. Per.	EB SB	Spectr2 Spectr1	M1/M2	Incl	M1	M2
TZ Per	02 13 51.0 +58 22 53 1	DN ZC	14.7 15.6	12.3 13.3	10-20	0.262906		 1					
FY Per	04 41 56.6 +50 42 36 1	NL	12.0 14.5			0.2585		 1					
AH Her PG 1642+253	16 44 10.0 +25 15 02 1	DN ZC	13.9 14.7	11.3 12.4	20	0.258116		 2	K7/5	1.25 0.08	46 3	0.95 0.10	0.76 0.08
V1425 Aql N Aql 1995	19 05 26.7 -01 42 14 1	N NL? IP?	>21 B	8.1		0.2558	5188						
XY Ari 1H 0253+193	02 56 08.1 +19 26 34	NL IP	>23			0.252697	206.298	1	M0/5	1.8 0.3	82. 2.	1.04 0.13	0.62 :
RU LMi CBS 119	10 02 07.5 +33 51 00 1	DN UG	17.8 19.5	13.8		0.251							
NGC 104-CV1 V1 (47 Tuc)	00 24 04.3 -72 04 58 1	NL IP?	21.			0.25 :	218.24						
LL Lyr	18 35 12.9 +38 20 04 1	DN UG	17.1	12.8B		0.249		 1	M3-4/5				
RW Sex BD -7 3007	10 19 56.6 -08 41 56 1	NL UX	10.4 10.8	12.1		0.24507		 2		1.35 0.10	34 6	0.8 : 	0.6 :
M 5-V101	15 18 14.5 +02 05 35 1	DN UG	22.5	17.4		0.242					55 5		
AH Eri	04 22 38.1 -13 21 30 1	DN UG? IP?	18.4 18.5	13.5		0.2391	2500 :	 1	M3-5/5				
TX Col 1H 0542-407	05 43 20.2 -41 01 55 1	NL IP	15.7			0.2383	1911 2106	 1	M0/5			0.54 0.10	
NGC 6397-CV6	17 40 48.8 -53 39 49 1		19.3 19.8			0.2352		1?					

Object Name Altern.Name	Coordinates (J2000)	Type	mag1 mag2	mag3 mag4	T1 T2	Orb.Per. 2. Per.	3. Per. 4. Per.	EB SB	Spectr2 Spectr1	M1/M2	Incl	M1	M2
DO Leo	10 40 51.2	NL	16.5			0.234515		1					
PG 1038+155	+15 11 34 1		17.0										
VY Scl	23 29 00.5	NL VY	12.9	18.5		0.2323				3.5	30	1.22	0.43
PS 141	-29 46 46 1		13.3					1		1.2	10	0.22	0.13
V347 Pup	06 10 33.6	NL DQ?	13.4			0.231936		1	K0-5/5	1.09	80.5	0.63	0.58
LB 1800	-48 44 26 1		15.8					1		0.14	3.5	0.08	0.11
RW Tri	02 25 36.1	NL UX	12.6			0.231883		1	M0/5	1.3	70.5	0.55	0.35
	+28 05 51 1		15.6					2		0.4	2.5	0.15	0.05
TV Col	05 29 25.4	NL IP	13.6			0.228599	1911.	1	K1-5/5		70	0.75	0.56
2A 0526-328	-32 49 05 1	SH NS	14.1			0.264		1			3	0.15	
V705 Cas	23 41 47.3	Na	18. B	6.5		0.2280 :							
N Cas 1993	+57 31 00 1												
V709 Cas	00 28 48.9	NL IP	14.1			0.2225	312.75						
J0028+5917	+59 17 22 1		14.6				317.94	1					
CZ Ori	06 16 43.2	DN UG	16.6	11.2	26	0.2189			M1-4/5				
	+15 24 12 1		17.0					1					
AY Psc	01 36 55.4	DN ZC	15.3			0.217321		1					
PG 0134+070	+07 16 30 1		17.0										
HL CMa	06 45 17.0	DN ZC	13.2	11.7	17	0.216778					45 :	1.0 :	0.45
	-16 51 35 2		14.5					1					0.10
PQ Gem	07 51 17.4	NL IP	14.1			0.216359	833.41						
	+14 44 25 1		14.5				872.30						
V3885 Sgr	19 47 40.5	NL UX	9.6			0.2163				1.0 :	<50	0.8 :	0.7 :
CD -42 14462	-42 00 26 1		10.3					1				0.2	0.1
AR Cnc	09 22 07.5	DN UG	18.7	15.3		0.2146		1	M4-6/5				
	+31 03 15 1		>21.2										

Object Name Altern.Name	Coordinates (J2000)	Type		mag1 mag2	mag3 mag4	T1 T2	Orb.Per. 2. Per.	3. Per. 4. Per.	EB SB	Spectr2 Spectr1	M1/M2	Incl	M1	M2
HR Del	20 42 20.4	Nb		11.9	3.5		0.214165				1.2	40	0.67	0.55
N Del 1967	+19 09 40 1			13.0			0.1775		1		0.1	2	0.08	0.03
PW Vul	19 26 05.1	Na		17.5	6.4		0.2137 :							
N Vul 1984 I	+27 21 59 1													
AP Cru	12 31 20.6	N	IP	18.7	10.7:		0.213	1850		K7				
N Cru 1935	-64 26 25 1													
HZ Pup	08 03 22.8	Na	NL	17.2	7.7		0.213	1200 :						
N Pup 1963#1	-28 28 29 1	IP		18.5										
NGC 6752-CV1	19 10 52.1	GC		20.6			0.213 :							
J1910-5958#1	-59 58 01 1													
EX Dra	18 04 14.1	DN	UG	14.5		23	0.209937		2	M1-2/5	1.33	84.2	0.75	0.56
1804+6753	+67 54 12 1			15.0					2		0.02	0.6	0.02	0.02
RX And	01 04 35.6	DN	ZC	14.0	10.5	17	0.209893			K5/5	2.4	51	1.14	0.48
	+41 17 58 1			15.5	11.5				1		0.7	9	0.33	0.03
TW Tri	01 36 37.0	DN	ZC	17.0	13.3		0.207584			M1/5				
	+32 00 40 1								1					
V617 Sgr	18 07 50.8	NL	SS	13.6			0.207167		2?	WN5				
	-35 10 25 1			15.7					1					
V446 Her	18 57 21.6	Na	DN	17.6	3.0	15-30	0.2070							
N Her 19603	+13 14 29 1			18.5	15.2				1					
V825 Her	17 18 37.0	NL		14.1			0.206							
PG 1717+413	+41 15 51 1			14.4					1					
T Aur	05 31 59.1	Nb		14.9	4.1		0.204378		1			57 :	0.68 :	0.63 :
N Aur 1891	+30 26 45 1			15.1					1					
FO Aqr	22 17 55.4	NL	IP	13.0			0.202060	1254.451	1			70		
H 2215-086	-08 21 05 1			14.0				1351.57	1			5		

Object Name Altern.Name	Coordinates (J2000)	Type	mag1 mag2	mag3 mag4	T1 T2	Orb.Per. 2. Per.	3. Per. 4. Per.	EB SB	Spectr2 Spectr1	M1/M2	Incl	M1	M2
AT Cnc	08 28 36.9	DN ZC	15.3	12.2	16	0.2011			K7-M0/5				
Ton 323	+25 20 03 1			13.5				1					
HX Peg	23 40 23.7	DN	15.8	12.9		0.2008			K/6				
PG 2337+123	+12 37 42 1		16.6	13.9				2					
V895 Cen	14 29 27.2	NL AM	16.5	17.2		0.198553		1			80		
J1429-3804	-38 04 10 1			17.5							5		
V345 Pav	19 35 43.0	NL UX	13.4			0.198096		1					
EC 1931-5915	-59 08 22 1		14.2					1					
UX UMa	13 36 41.0	NL UX	12.7			0.196671		1	M0/5	1.0	71.0	0.47	0.47
	+51 54 50 1		14.1					1		0.1	0.6	0.07	0.10
J0625+7334	06 25 16.2	NL	14.8B			0.19666							
	+73 34 40 1							1					
CT Ser	15 45 39.1	N	16.3	7.9		0.1950							
N Ser 1948	+14 22 33 1		16.6					1					
IX Vel	08 15 18.9	NL UX	9.1			0.193927				1.54	60	0.82	0.53
CPD -48 1577	-49 13 18 1		10.0					2		0.10	5	0.14	0.09
DQ Her	18 07 30.4	Na DQ	14.2	1.3		0.193621	142.131	1	M3/5	1.61	86.5	0.60	0.40
N Her 1934	+45 51 32 1		17.7					2		0.13	1.6	0.07	0.05
AI Tri	02 03 48.6	NL AM	15.5	18.		0.191745			M2.5/5				
J0203+2959	+29 59 26 1							1					
CG Dra	19 07 32.8	DN UG	17.5	15.		0.1893 :			K3-7/5:				
	+52 58 29 1							1					
V697 Sco	17 51 21.8	Na IP	19.7	10.2		0.187	11900						
N Sco 1941	-37 24 55 1												
Leo 7	09 38 37.0	DN	17.5B	13.0B		0.1868			M2-4/5				
	+07 14 55 1							2					

Object Name Altern.Name	Coordinates (J2000)	Type	mag1 mag2	mag3 mag4	T1 T2	Orb.Per. 2. Per.	3. Per. 4. Per.	EB SB	Spectr2 Spectr1	M1/M2	Incl	M1	M2
J0649-0737	06 49 50.8 -07 37 41 1	NL AM	18.0B			0.183							
J1553+5516	15 53 31.1 +55 16 15 1	NL AM	17.7 18.8			0.18297			M5/5				
SS Aur	06 13 22.4 +47 44 26 1	DN UG	14.5 14.8	10.5	51	0.1828		 2	M1/5	2.8 1.0	38 16	1.08 0.40	0.39 0.02
TW Vir PG 1142-041	11 45 21.1 -04 26 06 1	DN UG	15.8 16.3	12.1	28	0.18267		 1	M5-6/5	2.3 0.6	43 13	0.91 0.25	0.40 0.02
EZ Del	20 25 22.9 +15 45 58 1	DN UG	14.5B 16.5B			0.182		 1					
J1958+3232	19 58 14.5 +32 32 42 1	NL IP	15.7			0.1812	1466.66	 1					
BD Pav	18 43 11.9 -57 30 44 1	DN UG	15.4 >16.5	12.4		0.179301		2 2	K7/5	1.58 0.07	71.0 0.1	1.15 0.07	0.73 0.06
U Gem	07 55 05.3 +22 00 06 1	DN UG	14.0 15.2	9.1	132	0.176906		1 2	M4/5	2.76 0.08	69 2	1.07 0.08	0.39 0.02
ES Dra PG 1524+622	15 25 31.8 +62 01 00 1	DN?	15.4			0.1766							
CW Mon	06 36 54.5 +00 02 16 1	DN UG	16.3	11.9	122	0.1762		1 2	M3/5				
WW Cet	00 11 24.8 -11 28 43 1	DN	13.0 15.7	11.0	45	0.1758		 2	M2.5/5	2.1	54 4	0.85 0.11	0.41 0.01
GY Cnc J0909+1849	09 09 50.6 +18 49 47 1	DN	16.4 17.6	12.5		0.175443		1 2	M3/5	2.6 0.2	77.3 0.9	0.99 0.12	0.38 0.06
V436 Car J0744-5257	07 44 57.9 -52 57 13 1	NL	14.4 15.5	13.6B		0.1753		 1					

Object Name Altern.Name	Coordinates (J2000)	Type	mag1 mag2	mag3 mag4	T1 T2	Orb.Per. 2. Per.	3. Per. 4. Per.	EB SB	Spectr2 Spectr1	M1/M2	Incl	M1	M2
LS Peg S 193	21 51 57.9 +14 06 54 1	NL SW IP	13.0			0.174774	1176 2010				30:		
J1313-3259	13 13 17.1 -32 59 12 1	NL AM	16.4			0.174592		 1	M2-3/5		40	0.4 0.1	0.45 0.1
V729 Sgr	19 16 49.2 -26 14 33 1	DN	15.4 15.9	13.8		0.173406		1					
UZ Ser	18 11 24.9 -14 55 34 1	DN UG	15.5 16.6	11.9	25	0.1730							
V849 Oph N Oph 1919	18 14 07.3 +11 36 43 1	Nb	17.9 19.1	7.2		0.172757		1					
V405 Aur J0558+5353	05 57 59.3 +53 53 45 1	NL IP	14.6			0.17262	545.455	 1					
0035-7230	00 37 19.8 -72 14 14 1	SS	20.2 20.6			0.171926		 1		< 3	35 : 15		
LZ Mus N Mus 1998	11 56 09.0 -65 34 21 1	N		8.		0.1693 :							
0922+1333	09 24 56.0 +13 20 53 1	NL AM	19. B			0.169			M3.5/5				
VW Vul	20 57 45.1 +25 30 26 1	DN UG	15.6	13.6	14-23	0.16870		 1					
DO Aql N Aql 1925	19 31 25.9 -06 25 38 1	Nc	17.9 18.4	8.7		0.167762		1					
CQ Dra bc 4 Dra bc	12 30 06.7 +69 12 05 1					0.1656							
DO Dra PG 1140+719	11 43 38.3 +71 41 20 1	NL IP	15.6B 16.7B	10.6B		0.165374	529.31 274.87	 2	M3-5/5	2.2 0.2	45 4	0.83 0.10	0.38 0.01

Object Name Altern.Name	Coordinates (J2000)	Type	mag1 mag2	mag3 mag4	T1 T2	Orb.Per. 2. Per.	3. Per. 4. Per.	EB SB	Spectr2 Spectr1	M1/M2	Incl	M1	M2
AM Cas	02 26 23.4 +71 18 32 1	DN ZC	15.2	12.3	8	0.1652		1					
V1193 Ori	05 16 26.7 -00 12 14 1	NL UX	14.1			0.165		1					
V1776 Cyg Lanning 90	20 23 30.5 +46 31 30 1	NL UX SW	16.7 17.6			0.164739		1 1			75	0.6	0.37
X Leo	09 51 01.5 +11 52 31 1	DN UG	15.8 16.5	12.4	8-38	0.1644		1	M2/5				
J0153+7446	01 53 20.9 +74 46 22 1	NL IP	15.4B			0.16415	1414.	1					
UU Aqr S 196	22 09 05.7 -03 46 18 1	NL UX	13.3 15.5			0.163580		1 1	K7-M0/5	3.3 1.0	78 2	0.67 0.14	0.20 0.07
UU Aql	19 57 18.7 -09 19 21 1	DN UG	16.0 17.0	11.0	48	0.163532		1	M2-4/5				
CN Ori	05 52 07.8 -05 25 01 1	DN UG	14.2 16.3	11.9 12.8	18	0.163199 0.163190		2	M4/5	1.51 0.09	67 3	0.74 0.10	0.49 0.08
AR And	01 45 03.3 +37 56 33 1	DN UG	16.9 17.6	11.0	25	0.1630		1					
KR Aur	06 15 43.9 +28 35 09 1	NL VY	11.3 14.5	16.9 >18 B		0.16280		1		1.7 0.5	38 10	0.59 0.17	0.35 0.02
KT Per	01 37 08.7 +50 57 20 1	DN ZC	15.4 16.1	10.6 12.3	20	0.162658		1	M3/5				
CM Del	20 24 56.9 +17 17 54 1	NL UX	13.4 15.3			0.162		1		1.3 0.4	73 : 47	0.48 0.15	0.36 0.03
J2337+4308	23 37 59.2 +43 08 52 1	NL VY	16.4b			0.1605		1					

Object Name Altern.Name	Coordinates (J2000)	Type	mag1 mag2	mag3 mag4	T1 T2	Orb.Per. 2. Per.	3. Per. 4. Per.	EB SB	Spectr2 Spectr1	M1/M2	Incl	M1	M2
V380 Oph	17 50 13.7	NL	15.5			0.16				1.6	42	0.58	0.36
	+06 05 29 1		>16.1					1		0.5	13	0.19	0.04
V4077 Sgr	18 34 39.4	Nb	22.	8.0		0.16 :							
N Sgr 1982	-26 26 03 1												
NGC 104-CV3	00 24 06.5					0.160 :							
V3 (47 Tuc)	-72 04 44 1												
CY Lyr	18 52 41.4	DN UG	17.0	13.2		0.1591			M3.5/5				
	+26 45 30 1							1					
VY For	03 32 04.6	NL AM	19.2	17.5		0.1586			M4.5/5				
0329-2607	-25 56 56 1												
LX Ser	15 38 00.1	NL VY	14.5	17.0		0.158432		1		1.14	90	0.41	0.36
	+18 52 03 1		16.5					1		0.25		0.09	0.02
IP Peg	23 23 08.6	DN UG	14.0	10.5	95	0.158206		2	M2.2/5	2.2	81.8	0.94	0.42
	+18 24 59 1		17.8					2		0.2	0.9	0.10	0.08
V1493 Aql	19 07 36.9	Na	>20.	8.3:		0.156							
N Aql 1999#1	+12 31 27 1												
SV CMi	07 31 08.4	DN ZC	16.3	13.	16	0.156							
	+05 58 49 1												
BH Lyn	08 22 36.0	NL SW	14.5	17.2		0.155875		1					
PG 0818+513	+51 05 25 1	SH NS	16.4			0.1666		1					
J1424-0227	14 24 39.0	NL AM	19.6B			0.1555 :							
	-02 27 39 1												
OY Ara	16 40 50.3	Na	18.7	6.0		0.155466		1			74.3	0.82	0.34
N Ara 1910	-52 25 51 1		20.7					1			1.2	0.12	0.01
GS Pav	20 08 07.6	NL VY	17.1	15.		0.155270		1					
	-69 48 58 1		19.9										

Object Name Altern.Name	Coordinates (J2000)	Type	mag1 mag2	mag3 mag4	T1 T2	Orb.Per. 2. Per.	3. Per. 4. Per.	EB SB	Spectr2 M1/M2 Spectr1	Incl	M1	M2
PY Per	02 50 00.1	DN ZC	19.8	13.8		0.1548						
	+37 39 23 1							1				
QQ Vul	20 05 41.9	NL AM	14.5			0.154520			M4/5	65	1.85	
1E 2003+225	+22 39 59 1		15.5					1		7	0.48	
LD 317	23 44 57.4	NL	12.6			0.154						
	+43 31 22 1		14.8					1				
NGC 6752-CV2	19 10 52.0	GC	20.9			0.154 :						
J1910-5958#2	-59 58 56 1											
BZ Cam	06 29 34.0	NL VY	12.5B		25	0.153693						
0623+71	+71 04 37 1	SH?	14.0B			0.15634		1				
WY Sge	19 32 43.8	N DN?	19.0B	5.4 :		0.153635		1				
N Sge 1783	+17 44 55 1		21.0B					1				
V992 Sco	17 07 17.5	Nb	17.2	8.3		0.1535						
N Sco 1992	-43 15 22 1											
V794 Aql	20 17 34.0	NL VY	14.2	20.2B		0.1533 :						
	-03 39 51 1		14.8					1				
BP Lyn	09 03 08.9	NL UX	14.5			0.152812		1				
PG 0859+415	+41 17 48 1	SW						1				
AB Dra	19 49 06.5	DN ZC	14.5	12.3	8-22	0.1520						
	+77 44 24 1		15.8					1				
J0558+6753	05 58 18.0	DN SU	17.0B			0.1504						
	+67 53 46 1			14.0B		0.08080		1				
J0749-0549	07 49 10.4	NL AM	19.0B			0.150						
	-05 49 26 1											
AO Psc	22 55 18.0	NL IP	13.3			0.149626	805.20					
H 2252-035	-03 10 40 1		15.0				858.69	1				

Object Name Altern.Name	Coordinates (J2000)	Type	mag1 mag2	mag3 mag4	T1 T2	Orb.Per. 2. Per.	3. Per. 4. Per.	EB SB	Spectr2 Spectr1	M1/M2	Incl	M1	M2
V425 Cas	23 03 46.6	NL VY	14.5			0.1496				2.8	25	0.86	0.31
	+53 17 15 1		18					1		1.0	9	0.32	0.02
Tau 2	04 00 37.3	NL SW	15.5			0.1495							
	+06 22 46 1					0.14293		1					
J0944+0358	09 44 31.7	DN UG	17.	13.2		0.1493			M0-3/5				
	+03 58 05 1							1					
0528-5857	05 29 28.7	NL SW?	14.3B	>18. B		0.14923							
	-58 54 46 1	SH				0.1632							
0455+8315	05 06 48.5	NL UX	14.7			0.148728		1					
	+83 19 23 1		16.3										
V533 Her	18 14 20.5	Na CP	14.3	3.0		0.147	63.633 T						
N Her 1963	+41 51 23 1		16.0					1					
J0537-7034	05 37 44.6	SS	19.7			0.147					57.5	0.6	0.35
	-70 33 47 1							1			12.5	0.2	0.02
PX And	00 30 05.8	NL SW	15.0			0.146353		1					
PG 0027+260	+26 17 27 1	SH NS	17.0			0.1595		1					
V382 Vel	10 44 48.3	Na	16.6	2.7		0.14615							
N Vel 1999	-52 25 30												
J1007-2017	10 07 34.6	NL AM	18.0			0.1458							
	-20 17 33 1							1					
0422-2014	04 24 41.1	NL UX	11.4			0.14562							
	-20 07 12 1	NS				0.1383		1					
V500 Aql	19 52 28.0	Na	19.3	6.6		0.1452		1					
N Aql 1943	+08 28 46 1												
J2316-0527	23 16 03.6	NL AM	18.0			0.1451 :							
USS 046	-05 27 08 1												

Object Name Altern.Name	Coordinates (J2000)	Type		mag1 mag2	mag3 mag4	T1 T2	Orb.Per. 2. Per.	3. Per. 4. Per.	EB SB	Spectr2 Spectr1	M1/M2	Incl	M1	M2
RR Pic N Pic 1925	06 35 36.1 -62 38 24 1	Nb		12.0 12.5	1.0		0.145025		1 1			65 :	0.95 :	0.4 :
VZ Scl 	23 50 09.2 -26 22 53 1	NL	VY	15.6 18.1	>18.		0.144622		1 1		0.7 :	90 :	1 :	0.4 :
V751 Cyg 	20 52 12.8 +44 19 26 1	NL NS	VY SS	13.2 14.5	17.5		0.144464 0.1394							
1000+6643 PG 1000+667	10 04 34.7 +66 29 15 1	NL	VY	14.6 15.6			0.1444		 1					
V1101 Aql 	20 13 04.0 +15 35 47 1	DN?		14.3 14.7			0.1442							
UU Col J0512-3241	05 12 13.1 -32 41 39 1	NL	IP	17.6			0.144	863.5						
0551+7241 	05 57 24.0 +72 41 52 1	NL	IP?	16.7 19.5			0.143	3000	: 1? 1					
J1910+2856 	19 10 59.4 +28 56 39 1	DN		>18.5	15.7		0.1429		 1					
V2400 Oph J1712-2414	17 12 36.4 -24 14 45 1	NL	IP	14.2 14.6			0.142	: 927.6 1003						
0556-5935 	05 57 12.7 -59 35 26 1	NL	UX	14.3			0.142		 1					
DN Lyn 0728+4739	07 31 42.5 +47 33 23 1			16.9B			0.142		1					
0511-7955 	05 07 53.6 -79 51 24 1	NL	NS	14.8			0.141466 0.1368		1 1					
MN Hya J0929-2404	09 29 07.1 -24 05 05 1	NL	AM	17.0			0.141244		1	M3-4/5		74 4		

Object Name Altern.Name	Coordinates (J2000)	Type		mag1 mag2	mag3 mag4	T1 T2	Orb.Per. 2. Per.	3. Per. 4. Per.	EB SB	Spectr2 Spectr1	M1/M2	Incl	M1	M2
V849 Her PG 1633+115	16 35 45.7 +11 24 58 1			15.0			0.1409 :							
J2157+0855	21 57 32.4 +08 55 14 1	NL	AM	18.7			0.14063		1					
J1422-0221	14 22 56.4 -02 21 07 1	NL	AM	19.4B			0.1404 :							
J0439-6809	04 39 49.7 -68 09 02 1	SS		21.6			0.1403 :							
V1223 Sgr	18 55 02.2 -31 09 49 1	NL	IP	12.3 >16.8			0.140244	746. 794.38	1			21 6	0.5 0.1	0.4
V1432 Aql J1940-1025	19 40 11.5 -10 25 25 1	NL AS	AM IP?	14.9 18.0			0.140235 0.140630		1 1	M4/5				
RR Cha N Cha 1935	13 26 24.2 -82 19 43 1	Na NS	SH IP	20.1B	7.1		0.1401 0.1444	1950	1					
V909 Sgr N Sgr 1941	18 25 52.3 -35 01 27	Na		20.	6.8		0.14 :		1					
BO Cet	02 06 39.2 -02 03 43 1	NL		14.2 15.4			0.13980		1?					
BY Cam H 0538+608	05 42 48.9 +60 51 32 1	NL AS	AM	14.6	17.5		0.13979 0.138434	11846.4 627264.	1				1.13 0.13	
V1315 Aql KPD 1911+121	19 13 54.5 +12 18 03 1	NL SW	UX	14.4 16.3			0.139690		1 1		2.9 1.1	82 4	0.73 0.30	0.30 0.01
V1500 Cyg N Cyg 1975	21 11 36.6 +48 09 02 1	Na AM	NL AS	17.2 18.6	2.2		0.139613 0.137171		1				>0.9	
WX Ari PG 0244+104	02 47 36.2 +10 35 39 1	NL SW	UX	15.3 15.8			0.139351		1 1			72 :		

Object Name Altern.Name	Coordinates (J2000)	Type		mag1 mag2	mag3 mag4	T1 T2	Orb.Per. 2. Per.	3. Per. 4. Per.	EB SB	Spectr2 Spectr1	M1/M2	Incl	M1	M2
DY Pup N Pup 1902	08 13 48.4 -26 33 57 1	Nb		19.6	7.		0.139		1					
V603 Aql N Aql 1918	18 48 54.6 +00 35 03 1	Na NS	SH	11.4 11.9	-1.1		0.1385 0.14646	11590.	1		4.2 0.9	13 2	1.2 0.2	0.29 0.04
V1668 Cyg N Cyg 1978	21 42 35.2 +44 01 55 1	Na		19.9B 21. :	6.7		0.1384		1					
1933+5100 1H 1929+509	19 34 36.1 +51 07 41 1	NL		17.3			0.138 :							
TT Ari	02 06 53.1 +15 17 43 1	NL SH	VY NS	9.5 12.3	14.5 16.5		0.137550 0.148815		1	M3.5/5				
DW UMa PG 1030+590	10 33 53.0 +58 46 55 1	NL SW	UX NS	14.9 16.4	18.		0.136606		1 1	M3-9	2.6 0.8	82 4	0.77 0.07	0.30 0.10
HL Aqr PHL 227	22 20 26.9 +02 00 54 1	NL	UX	13.5			0.1356		1					
CV 496-083		NL	SW?				0.135		1					
SW Sex PG 1012-029	10 15 09.4 -03 08 34 1	NL SW	UX	14.8B 16.7B			0.134938		1 1			>75	0.5	<0.3
BG CMi 3A 0729+103	07 31 29.0 +09 56 23 1	NL	IP	14.3 15.4			0.134749	847.03 913.507	1			33 13	0.8 0.2	0.38
V1494 Aql N Aql 1999#2	19 23 05.4 +04 57 20 1	Na		17.4B	4.0		0.134619		1					
MV Lyr	19 07 16.3 +44 01 08 1	NL SH?	VY	12.1 14.1	17.7 18. B		0.132335 0.1377		1	M5/5				0.17 :
J1610+0352	16 10 07.5 +03 52 33 1	NL	AM	15.9			0.1322		1					

Object Name Altern.Name	Coordinates (J2000)	Type	mag1 mag2	mag3 mag4	T1 T2	Orb.Per. 2. Per.	3. Per. 4. Per.	EB SB	Spectr2 M1/M2 Spectr1	Incl	M1	M2
V1033 Cen J1141-6410	11 41 22.9 -64 10 14 1	NL AM	17. B			0.131518		 1				
AM Her 	18 16 13.3 +49 52 04 1	NL AM	12.0 13.5	15.0 15.5		0.128927		 1	M5+/5	37 4	1.22 0.08	
DN Gem N Gem 1912	06 54 54.4 +32 08 27 1	Na	15.8	3.5		0.127844						
AH Men H 0616-818	06 11 44.1 -81 49 24 1	NL SH NS	13.2 14.0			0.12721 0.1385		 1				
BX Pup 	07 54 15.6 -24 19 36 1	DN ZC	16.8	13.8	18	0.127						
J0230-6842 	02 30 51.1 -68 42 05 1	NL AM	16. 18.			0.12625						
V4633 Sgr N Sgr 1998	18 21 40.5 -27 31 38 1	Na SH	14.5	7.4		0.125576 0.1285						
UZ Boo 	14 44 01.3 +22 00 56 1	DN SU? WZ?	19.8 20.4	11.5	360:	0.125 :						
V442 Oph 	17 32 15.1 -16 15 22 1	NL VY SW NS	12.6	14.0 15.5		0.12433 0.12090		 1				
DM Gem N Gem 1903#1	06 44 12.1 +29 56 42 1	Na	17.4	4.8		0.1228 :						
LQ Peg PG 2133+115	21 36 19.1 +11 40 55 1	NL UX	14.7			0.121 :						
J1643+3402 	16 43 45.7 +34 02 40 1	NL SW NS	12.5 12.7			0.12056 0.11696		 1				
V478 Her 	17 21 05.6 +23 39 40 1	DN SU	17.1:	15.5:		0.120 * 0.129 :						

Object Name Altern.Name	Coordinates (J2000)	Type	mag1 mag2	mag3 mag4	T1 T2	Orb.Per. 2. Per.	3. Per. 4. Per.	EB SB	Spectr2 Spectr1	M1/M2	Incl	M1	M2
HY Eri	05 01 46.3	NL AM	17.5			0.118969		1		1.20	75	0.45	0.36
J0501-0359	-03 59 21 1							1		0.22	3	0.09	
V351 Pup	08 11 38.3	Na	21.	6.4		0.1182		1					
N Pup 1991	-35 07 31 1												
V630 Sgr	18 08 48.3	Na SH	17.4	4.5		0.1180		1					
N Sgr 1936#4	-34 20 21 1		18.1			0.1242							
V2214 Oph	17 12 01.6	Na	20.5	8.0		0.117515							
N Oph 1988	-29 37 33 1												
TU Men	04 41 40.7	DN SU	18.5	11.6	37	0.1172							
	-76 36 46 1			12.5	202	0.1262		1					
WX LMi	10 26 27.5	NL AM		17.0		0.115923			M4.5/5				
1023+3900	+38 45 04 1			17.7									
V592 Cas	00 20 52.2	NL UX	12.6			0.115063	1296						
LS I 55-8	+55 42 17 1	SH IP?	12.8			0.12228		1					
V405 Vul	19 53 05.0	DN SU	19.0		84	0.113 *							
J1953+2114	+21 14 49 1			15.		0.1205							
QU Vul	20 26 46.0	Na	18.3	5.6		0.111765		1					
N Vul 1984#2	+27 50 43 1												
V349 Pav	20 08 55.8	NL AM	18			0.1109							
DR V211b	-65 27 43 1		19.5										
J0524+4244	05 24 30.5	NL AM	16.3B			0.109							
	+42 44 51 1	AS				0.101							
V795 Her	17 12 56.1	NL SH	12.5B			0.108247							
PG 1711+336	+33 31 21 1	SW	13.2B			0.116486		1					
J1324+0320	13 24 11.6	NL AM				0.108 :							
	+03 20 51 1												

Object Name Altern.Name	Coordinates (J2000)	Type		mag1 mag2	mag3 mag4	T1 T2	Orb.Per. 2. Per.		3. Per. 4. Per.	EB SB	Spectr2 Spectr1	M1/M2	Incl	M1	M2
V Per N Per 1887	02 01 53.9 +56 44 04 1	N	NL	18.0 18.5	9.2		0.107126			1					
J1554+2721	15 54 12.3 +27 21 52 1	NL	AM	17.0 17.2			0.105462			1	M4/5				
V348 Pup 1H 0709-360	07 12 32.9 -36 05 40 1	NL SH	SW	15.5 17.0			0.101839 0.108567			1 1		3.2	81.1 1.0	0.65	0.20
Var 73 Dra	20 23 38.3 +64 36 27 1	DN ER	SU	19.5R	15.8B	7-8 60	0.1012 0.1069	*							
NY Ser PG 1510+234	15 13 02.3 +23 15 08 1	DN	SU	18.2	14.5	6-9 85	0.100 0.1064	*							
DD Cir N Cir 1999	14 23 23.5 -69 08 45 1	Na		20.2	7.7		0.0975								
QS Tel J1938-4612	19 38 35.7 -46 12 57 1	NL	AM	15.2 15.8	17.4		0.097187			1	M4.5/5				
V381 Vel J1016-4103	10 16 58.9 -41 03 45 1	NL	AM		18.5		0.096				M4.5/5:				
V516 Pup J0803-4748	08 03 45.5 -47 48 45 1	NL	AM	16.2B 18.5B			0.0952								
V725 Aql	19 56 45.1 +10 49 32 1	DN	SU	19.3R	13.3	>1000	0.0944 0.0991	*							
UW Pic J0531-4624	05 31 35.6 -46 24 06 1	NL	AM	16.4 17.2			0.09268				M4.5/5				
V419 Lyr	19 10 13.9 +29 06 14 1	DN	SU	19.0	14.7 14.0		0.091 0.0953	* :							
V589 Her	16 22 07.2 +18 22 36 1	DN	SU	>17.5	14.1		0.0905 0.0947	*							

Object Name Altern.Name	Coordinates (J2000)	Type	mag1 mag2	mag3 mag4	T1 T2	Orb.Per. 2. Per.	3. Per. 4. Per.	EB SB	Spectr2 Spectr1	M1/M2	Incl	M1	M2
J1846+5538	18 46 58.9 +55 38 29 1	NL AM	20.	17.2		0.089387							
GX Cas	00 49 01.5 +56 52 45 1	DN SU	18.5	13.3	50-70 386	0.0890 0.09297		 1					
J1300-3052	13 00 29.1 -30 52 57	DN SU?	18.1 21.6	15.6		0.08893		2					
UV Gem	06 38 44.1 +18 16 11 1	DN SU	19.	15.8 14.7B	54	0.0886 * 0.0926							
UZ For EXO 0333-255	03 35 28.6 -25 44 23 1	NL AM	17.	18.2 20.5		0.087865		1 1	M4.5/5		81 2	0.44 0.15	
GZ Cnc	09 15 51.7 +09 00 50 1	DN UG?	15.4	13.1		0.0878		 1					
V344 Lyr	18 44 39.2 +43 22 28 1	DN SU	19.5	14.5 14.0	13-19 110	0.0876 * 0.09145							
EU Cnc	08 51 27.2 +11 46 57 1	NL AM	20.4 21.0			0.0871							
IR Com S 10932 Com	12 39 32.0 +21 08 06 1	DN SU	16.9 19.0	13.5		0.087039		1					
DM Dra	15 34 12.1 +59 48 32 1	DN SU	20.7	15.5		0.087 : 0.07561							
HU Aqr J2107-0517	21 07 58.3 -05 17 39 1	NL AM	14.7	17.7 20.		0.086820		1 1	M6/5	3.88 0.06	83 3	0.75	0.19
YZ Cnc	08 10 56.6 +28 08 34 1	DN SU	15.0 15.5	11.9 11.0	6-16 134	0.0868 0.09204		 1		4.5	38 3	0.82 0.08	0.17
DV UMa US 943	09 46 36.7 +44 46 45 1	DN SU	18.3 20.5	15.4 14.0	770	0.085853 0.0887		2	M4.5/5	6.5 0.6	84.0 0.8	0.90 0.13	0.14 0.02

Object Name Altern.Name	Coordinates (J2000)	Type	mag1 mag2	mag3 mag4	T1 T2	Orb.Per. 2. Per.	3. Per. 4. Per.	EB SB	Spectr2 Spectr1	M1/M2	Incl	M1	M2
BF Ara	17 38 21.3	DN SU	15.3			0.08459 *							
	-47 10 41 1	ER		13.8	83	0.08805							
TY PsA	22 49 39.9	DN SU	15.9		30-50	0.0841		D					
PS 74	-27 06 54 1		17.	11.8	202	0.08765		1					
KK Tel	20 28 38.5	DN SU	19.2			0.084							
	-52 18 45 1		19.6	13.5	394	0.08803							
EF Peg	21 15 04	DN SU	18.5			0.0837 *			M5/5	3.8		0.65 :	0.17 :
	+14 03 50			10.7	254	0.08724							
V1007 Her	17 24 06.3	NL AM	17.6			0.083284					<78		
J1724+4114	+41 14 09 1												
QZ Ser	15 56 54.5	DN	17.7	12.7		0.083161			K2-6				
	+21 07 20 1							1					
HV Aur	04 53 16.8	DN SU	>19.	15.0		0.0823 *							
	+38 16 29 1					0.0855							
TU Crt	11 03 36.5	DN SU	17.5			0.08209							
	-21 37 46 1			12.1		0.08535		1					
V369 Peg	23 03 41.8	DN SU	18.2B			0.0817 *							
	+17 17 56 1			15.8B		0.0848							
CP Dra	10 15 39.8	DN SU	20.	15.1		0.08161 *							
	+73 26 05 1			14.3		0.08473							
V1974 Cyg	20 30 31.7	Na SH	15.4	4.4		0.081260							
N Cyg 1992	+52 37 51 1	NS				0.08522							
V877 Ara	17 16 53.9	DN SU	20.3			0.08106 *							
	-65 32 52 1			13.5	330:	0.08411							
RX Cha	10 36 26.3	DN SU	>22.			0.081 *							
	-80 92 48 1			14.4		0.084							

Object Name Altern.Name	Coordinates (J2000)	Type	mag1 mag2	mag3 mag4	T1 T2	Orb.Per. 2. Per.	3. Per. 4. Per.	EB SB	Spectr2 Spectr1	M1/M2	Incl	M1	M2
AR UMa	11 15 44.7	NL AM	13.3	16.5		0.080501			M5-7/5		50		
	+42 58 23 1		14.0								10		
WW Hor	02 36 11.5	NL AM	17.6	19.5		0.080199		1	M6/5 :	5.8 :	84	1.1 :	0.19 :
EXO 0234-523	-52 19 14 1		18.1	21.6				1		1.3	2	0.2	0.02
AN UMa	11 04 25.7	NL AM	14.5	16.0		0.079753							
PG 1101+453	+45 03 15 1			18.9B				1					
RS Car	11 08 05.9	N SH?	17.9	7.0:		0.0795 *							
N Car 1895	-61 56 08 1					0.08238 :							
BR Lup	15 35 53.1	DN SU	18.4		26	0.0795							
	-40 34 05 1			13.1		0.0822		1					
EK UMa	10 51 35.2	NL AM		18.		0.07948					56		
1E 1048+542	+54 04 36 1			20.0							18		
AB Nor	15 49 15.5	DN SU	>16 2			0.0792 *							
	-43 04 49 1			13.9		0.0820							
ST LMi	11 05 39.8	NL AM	15.0			0.079089			M5-6/5	4.5	56	0.76	0.17
CW 1103+254	+25 06 29 1		17.2					1		1.0	4	0.30	0.07
BL Hyi	01 41 00.3	NL AM	14.3	16.9		0.078915			M3-4/5		70		
H 0139-68	-67 53 28 1		16.4	17.4				1			10		
MR Ser	15 52 47.2	NL AM	14.9	17.		0.078798			M5-6/5				
PG 1550+191	+18 56 28 1		15.8					1					
CU Vel	08 58 32.9	DN SU	17.0		75	0.0785			M5	8.7	59	1.23	0.15
	-41 47 51 1			10.7	393	0.08090		1		0.4	6	0.23	0.03
V884 Her	18 02 06.5	NL AM	15.			0.078480		1					
J1802+1804	+18 04 43 1							1					
V2301 Oph	18 00 35.6	NL AM	16.1	21.		0.078450		1	M6/5		80	0.9	0.19
1H 1752+081	+08 10 13 1		16.7					1			2	0.1	

Object Name Altern.Name	Coordinates (J2000)	Type	mag1 mag2	mag3 mag4	T1 T2	Orb.Per. 2. Per.	3. Per. 4. Per.	EB SB	Spectr2 Spectr1	M1/M2	Incl	M1	M2
BZ Cir 1449-6804	14 54 15.4 -68 16 19 1		18.2			0.0784 :							
V660 Her	17 42 09.2 +23 48 31 1	DN SU	19.0 	 14.3	 	0.07826 0.075		 1					
V359 Cen N Cen 1929	11 58 15.3 -41 46 10 1	N? DN SU	18.7 	 13.8	 352:	0.0779 0.08092							
V503 Cyg	20 27 17.4 +43 41 23 1	DN SU NS	17.4 17.6	 14.0	7-9 89	0.0777 0.0597							
PV Per	02 42 53.5 +38 04 04 1	DN SU	>20. 	 14.9	36 	0.0777 * 0.0804							
DH Aql	19 26 10.8 -10 15 29 1	DN SU	18.3 18.5	 12.4	66 300	0.077381* 0.080029							
CD Ind J2115-5840	21 15 41.0 -58 40 54 1	NL AM AS	16.2 17.4	 	 	0.077006 0.076074							
TT Boo	14 57 44.7 +40 43 42 1	DN SU	19.2 	 12.7	40 245	0.077 : 0.07811							
HS Vir PG 1341-079	13 43 38.4 -08 14 03 1	DN SU	16.6 	14.6 13.6	8 371:	0.07692 0.08059		 1					
AW Gem	07 22 40.6 +28 30 16 1	DN SU	18.8 19.4	13.8 13.1	98 410	0.07684 * 0.07943							
V1113 Cyg	19 22 42.1 +52 44 00 1	DN SU	18.6 20.8	 13.6	28 190	0.0766 * 0.0792							
J1730+6247	17 30 08.3 +62 47 55 1	DN SU	15.9 	 13.3	 	0.07653 0.07931		 1					
V630 Cyg	21 34 59.2 +40 40 19 1	DN SU	17.2 	14.1 13.8	30-50 290	0.0764 * 0.0789							

Object Name Altern.Name	Coordinates (J2000)	Type	mag1 mag2	mag3 mag4	T1 T2	Orb.Per. 2. Per.	3. Per. 4. Per.	EB SB	Spectr2 Spectr1	M1/M2	Incl	M1	M2
SU UMa	08 12 28.2	DN SU	14.2	12.2	5-33	0.07635							
PG 0808+627	+62 36 23 1		15.0	11.3	160	0.07904		1					
RZ Leo	11 37 22.3	DN SU	18.4			0.0763			M5				
	+01 48 58 1	WZ	19.3	11.2		0.07853		1					
T Pyx	09 04 41.5	Nr SS	15.3B	6.5		0.076223							
	-32 22 47 1		15.6B			0.1098		1					
QY Per	03 15 36.8	DN SU	21.0	14.1	370:	0.0761 *							
	+42 82 14 2			13.5		0.07861							
WY Tri	02 25 00.5	DN SU	19.1			0.07597 *							
	+32 59 56 1			13.8		0.07847							
V893 Sco	16 15 15.1	DN SU?	15.5	12.5		0.075962		1		5.3	72.5	0.89	0.175
	-28 37 31 1							1					
CE Gru	21 37 56.4	NL AM	18.0	20.7B		0.0754							
Gru V1	-43 42 13 1		18.5										
BE Oct	00 00 48.8	DN SU	19.4			0.075 *							
	-77 18 57 1			15.9		0.077							
FT Cam	03 21 14.4	DN SU?	17.5	14.7		0.07499 :							
	+61 05 27 1							1					
BK Lyn	09 20 11.2	NL SH	14.1			0.07498							
PG 0917+342	+33 56 42 1		16.5			0.07857		1					
WX Hyi	02 09 50.7	DN SU	14.7	12.5	11	0.074813				5.5	40	0.9	0.16
	-63 18 40 1		14.9	11.4	180	0.07737		1		1.5	10	0.3	0.05
LY Hya	13 31 53.8	DN	14.4			0.0748							
1329-2925	-29 40 59 1		18.4					1					
QW Ser	15 26 14.0	DN SU	18.			0.0745							
	+08 18 02 1			12.4		0.0773		1					

Object Name Altern.Name	Coordinates (J2000)	Type	mag1 mag2	mag3 mag4	T1 T2	Orb.Per. 2. Per.	3. Per. 4. Per.	EB SB	Spectr2 Spectr1	M1/M2	Incl	M1	M2
Z Cha	08 07 28.2 -76 32 01 1	DN SU	15.3 17.2	12.4 11.9	17 229	0.074499 0.07740		2 2	M5.5/5	6.7 0.2	81.8 0.1	0.84 0.09	0.125 0.014
J1002-1925	10 02 11.7 -19 25 38 1	NL AM	17.0	20.4		0.0743							
VW Hyi	04 09 11.3 -71 17 41 1	DN SU	13.8 14.0	9.5 8.7	28 183	0.074271 0.07714		 1		6 1	60 10	0.63 0.15	0.11 0.02
IY UMa Tmz V85	10 43 57.0 +58 07 33 1	DN SU	17.3 19.3	 13.0	69 286	0.073909 0.07599		2 	M4/5	8.0 0.5	86.0 1.0	0.79 0.04	0.10 0.01
V1251 Cyg	21 40 54.4 +48 39 43 1	DN SU	19. : 	 12.5	 1160	0.07376 * 0.07604		 					
HT Cas	01 10 13.0 +60 04 36 1	DN SU	16.4 18.4	10.8 	400 	0.073647 0.076077		2 1	M5-6/5	6.7 1.4	81 1	0.61 0.04	0.09 0.02
CC Cnc	08 36 19.2 +21 21 05 1	DN UG	17.4 18.8	 13.2	 	0.07352 0.07552		 1					
VZ Pyx 1H 0857-242	08 59 19.9 -24 28 55 1	DN SU IP?	13.5 15.8	12.5 11.8	 270	0.07332 0.07576	2925	 : 1					
AY Lyr	18 44 26.7 +37 59 52 1	DN SU	18.4 	13.2 12.4	19-32 210	0.0733 * 0.0756		 					
OU Vir J1435-0046	14 35 00.1 -00 46 07 1	DN SU	18.5B 	 14.9	< 79 >411	0.07273 0.078		1 					
EP Dra H 1907+690	19 07 06.1 +69 08 42 1	NL AM	17.6 >21			0.072656		1		3.2 0.5	80 :	0.43 0.07	0.13
KV And	02 17 13.8 +40 41 31 1	DN SU	22.5: 	14.6 13.6	18-55 270:	0.0722 * 0.0743		 					
VW CrB	16 00 03.8 +33 11 15 1	DN SU	>17.5 	15.8 14.		0.0722 * 0.0743		 					

Object Name Altern.Name	Coordinates (J2000)	Type	mag1 mag2	mag3 mag4	T1 T2	Orb.Per. 2. Per.	3. Per. 4. Per.	EB SB	Spectr2 Spectr1	M1/M2	Incl	M1	M2
J0953+1458	09 53 08.1 +14 58 36 1	NL AM	17.3			0.072049							
FO And	01 15 32.1 +37 37 36 1	DN SU	17.5	13.9	15-23 120	0.07161 0.07411		 1					
GD 552	22 50 39.6 +63 28 39 1	DN?	16.5			0.07134		 1		14. 3.	20 :	1.4 :	0.1 :
PU Per	02 42 16.1 +35 40 46 1	DN SU	<20.	15.2	 330:	0.0713 * 0.0733 :							
RS Cae J0453-4213	04 53 25.5 -42 13 40 1	NL AM	18.4 19.6			0.0708 :		 1					
V834 Cen 1E 1405-451	14 09 07.5 -45 17 17 1	NL AM	14.2 16.0	17.		0.070498		 1	M6.5/5		50 10	0.66 0.18	
AW Sge	19 58 37.1 +16 41 29 1	DN SU	>17.5B	14.7		0.07 * 0.07							
J1928-5001	19 28 28 -50 01 54	NL AM?				0.070							
VV Pup	08 15 06.7 -19 03 17 1	NL AM	14.5 16.0	17.5 18.0		0.069747		 1	M4-6/5	5.5	73 3		
V1504 Cyg	19 28 56.5 +43 05 37 1	DN SU	17.4	14.5 13.8	 137	0.06951 0.0690		 1					
J0820+4934	08 20 51.0 +49 34 31 1	NL AM	18.0 19.3			0.06901							
CF Gru 2138-4518	21 41 23.0 -45 04 31 1	DN UG	19.9 20.2			0.069 :							
V544 Her	16 38 05.4 +08 37 58 1	DN UG	20. :	14.5		0.069 :							

Object Name Altern.Name	Coordinates (J2000)	Type	mag1 mag2	mag3 mag4	T1 T2	Orb.Per. 2. Per.	3. Per. 4. Per.	EB SB	Spectr2 Spectr1	M1/M2	Incl	M1	M2
J2303+0106	23 03 51.7	DN	17.3R			0.069							
	+01 06 52 1		18.6R					1					
V1208 Tau	04 59 44.0	DN SU	>18.3			0.0689 *							
J0459+1926	+19 26 23 1					0.07068							
V393 Pav	19 57 11.5	NL AM	18.			0.068625							
J1957-5738	-57 38 22 1							1					
IR Gem	06 47 34.6	DN SU	16.3	11.7	26	0.0684							
	+28 06 23 1		17.0	11.4	183	0.07094		1					
TY Psc	01 25 39.4	DN SU	15.3	12.2	39	0.06833							
	+32 23 10 1		17.4	11.7	333	0.0708		1					
RZ Sge	20 03 18.5	DN SU	16.9	12.8	62-93	0.06828							
	+17 02 53 1		17.4	12.2	266	0.0704		1					
EX Hya	12 52 24.4	NL IP	13.0	10.0	574	0.068234	4021.62	1	M3-5/5	5.2	77	0.49	0.095
	-29 14 57 1		14.1					1		0.8	1	0.03	0.013
HS Cam	07 19 14.5	NL AM	17.			0.068207		1	M4-6/5	5.0	79	0.75	0.13
J0719+6557	+65 57 45 1		19.					1		1.7	3	0.10	0.05
KS UMa	10 20 26.5	DN SU	17.0			0.0680							
1017+5319	+53 04 33 1			12.7		0.0697		1					
BZ UMa	08 53 44.1	DN SU?	15.2	10.2	181	0.06799			M5-6/5				
PG 0849+580	+57 48 41 1		15.9			0.0657 :		1					
CY UMa	10 56 57.1	DN SU	17.0	13.5	80	0.06795							
	+49 41 19 1		17.8	12.3	300	0.07210		1					
SS UMi	15 51 22.2	DN SU	16.7		11	0.06778							
PG 1551+719	+71 45 12 1	ER	17.6	13.6	85	0.0699		1					
J0704+6203	07 04 09.9	NL AM	17.2	19.3R		0.067547							
	+62 03 28 1		19.8	20.3R				1					

Object Name Altern.Name	Coordinates (J2000)	Type	mag1 mag2	mag3 mag4	T1 T2	Orb.Per. 2. Per.		3. Per. 4. Per.	EB SB	Spectr2 Spectr1	M1/M2	Incl	M1	M2
SX LMi	10 54 30.4	DN SU	17.6	13.6	34-64	0.0672								
CBS 31	+30 06 10 1			13.3	250	0.0689			1					
V701 Tau	03 44 01.9	DN SU	>21.			0.067	*							
	+21 57 08 1			14.1		0.068	:							
V550 Cyg	20 05 05.3	DN SU	>17.			0.0666	*							
	+32 21 22 1			14.2		0.0682	:							
CAL 86	05 46 15.3	DN	19.0	13.5		0.0660	:							
	-68 35 24 1								1					
GO Com	12 56 37.1	DN SU	20.0	13.2		0.0658								
	+26 36 44 1			13.1										
J1039-0506	10 39 47.0	NL IP	17.4			0.065597		1444						
	-05 06 58 1			18.5										
IX Dra	18 12 31.4	DN SU	17.5		3-4	0.0655	*							
	+67 04 46 1	ER		15.0	53	0.06700								
DM Lyr	18 58 44.4	DN SU	18.			0.065409								
	+30 15 33 1			13.6	230	0.067			1					
AO Oct	21 05 08.2	DN SU	>22.0			0.0653								
	-75 21 02 1	WZ		13.5		0.0667								
CT Hya	08 51 07.4	DN SU	19.9			0.06514	*							
	+03 08 34			14.0		0.06664								
AK Cnc	08 55 21.2	DN SU	18.9			0.0651								
	+11 18 15 1			12.8		0.06749								
UV Per	02 10 08.3	DN SU	17.1		390	0.0649								
	+57 11 21 1			17.9	11.7	960	0.06641		1					
AQ CMi	07 14 34.8	DN SU	18.3			0.0646	*							
	+08 48 06 1			14.4		0.0661								

Object Name Altern.Name	Coordinates (J2000)	Type	mag1 mag2	mag3 mag4	T1 T2	Orb.Per. 2. Per.	3. Per. 4. Per.	EB SB	Spectr2 Spectr1	M1/M2	Incl	M1	M2
EQ Cet J0128-2339	01 28 52.5 -23 39 43 1	NL AM	17.5 18.0	18.9		0.064455		 1	M6/5				
ER UMa PG 0943+521	09 47 11.8 +51 54 09 1	DN SU ER	15.8	13.4 12.9	4-5 43	0.06366 0.06558		 1					
TV Crv N Crv 1931	12 20 24.2 -18 27 02 1	DN SU	19.0	 12.2		0.06355 * 0.06492							
J1131+4322	11 31 22.4 +43 22 38 1	DN SU	>14.6	 12.3		0.06325 * 0.06495							
OY Car	10 06 22.4 -70 14 05 1	DN SU	15.3 17.3	12.4 11.4	14 325	0.063121 0.064544		2 1	M6/5	9.8 0.3	83.3 0.2	0.685 0.011	0.070 0.002
J1125-0016	11 25 55.7 -00 16 38 1	DN	19.7B			0.0631							
VY Aqr	21 12 09.2 -08 49 37 1	DN SU WZ	17.1 17.5	10.5 8.0B	350 800	0.06309 0.0645		 1	M9.5				
EK TrA	15 14 01.0 -65 05 35 3	DN SU	>17	12.1 12.0	167 531	0.06288 0.06492		 1		5.0 : 0.8	58 : 7	0.46 : 0.10	0.09 : 0.02
BC UMa	11 52 15.9 +49 14 42 1	DN SU	18.6			0.06260 0.0619		 1					
EU UMa RE J1149+28	11 49 55.7 +28 45 08 1	NL AM	16.5B 16.8B			0.06260							
V347 Pav J1844-7418	18 44 48.3 -74 18 34 1	NL AM	15.2 17.6			0.062553					68 4		
V436 Cen	11 14 00.1 -37 40 49 1	DN SU	15.3 15.5	12.4 11.3	85 404	0.062501 0.063785		 1		4 : 1	65 : 5	0.7 : 0.1	0.17 :
HO Del	20 36 55.5 +14 03 09 1	DN SU	17.8	 13.5	 730	0.0625 0.063262		 1					

Object Name Altern.Name	Coordinates (J2000)	Type	mag1 mag2	mag3 mag4	T1 T2	Orb.Per. 2. Per.	3. Per. 4. Per.	EB SB	Spectr2 Spectr1	M1/M2	Incl	M1	M2
V2051 Oph	17 08 19.1	DN SU	15.0	13.0	45	0.062430	56.12	2		5.3	83	0.78	0.15
	-25 48 31 1		17.5	11.7	201	0.06423		1		0.8	2	0.06	0.03
DP Leo	11 17 16.0	NL AM	17.5B	19.5		0.062363		1		8.7 :	81 :	1.2 :	0.14 :
1E 1114+182	+17 57 41 1		19.5B	>22						2.4	1	0.2	0.02
CG CMa	07 04 05.2	DN SU	>22.			0.0623 *							
	-23 45 34 1	WZ		13.7		0.0636							
V1159 Ori	05 28 59.5	DN SU	13.6	12.0	4	0.062178							
	-03 33 53 1	ER NS	15.4	11.2	45-53	0.06861		1					
V402 And	00 11 07.3	DN SU	>20.3B			0.0621 *							
	+30 32 36 1			15.3		0.0634							
V1141 Aql	19 37 09.8	DN SU	19.5			0.062 *							
	+02 36 01 1			14.5		0.063							
CP Tuc	23 15 19.1	NL AM	16.4			0.061832							
J2315-5910	-59 10 28 1							1					
J1050-1404	10 50 11.0	DN WZ?	17.5			0.0615 :							
	-14 04 37 1		17.8					1					
CP Pup	08 11 46.0	Na SH	15.0	0.5		0.06143							
N Pup 1942	-35 21 06 1					0.0625		1					
V4140 Sgr	19 58 49.7	DN SU?	17.5	15.5		0.061430		1					
NSV 12615	-38 56 12 1		19.0					1					
XZ Eri	04 11 25.8	DN SU	18.8	14.6		0.0612		2					
	-15 23 24 1		20.6	13.5									
J1155-5641	11 55 27.1	DN SU	13.6B	12.3		0.0610 *							
	-56 41 53 1			10.9		0.0622							
AQ Eri	05 06 13.0	DN SU	17.7		78	0.06094							
	-04 08 07 1			12.5	300	0.0642		1					

Object Name Altern.Name	Coordinates (J2000)	Type	mag1 mag2	mag3 mag4	T1 T2	Orb.Per. 2. Per.	3. Per. 4. Per.	EB SB	Spectr2 Spectr1	M1/M2	Incl	M1	M2
J0425-1945	04 25 55.2 -19 45 30 1	NL AM	16.6 18.0			0.0605 :							
V1028 Cyg	20 00 56.6 +56 56 37 1	DN SU	19.	13.0	1000	0.06041 * 0.06154							
J0155+0028	01 55 43.4 +00 28 07 1	NL	14.7R 17.6R			0.0604		1 1					
KX Aql	19 33 53.7 +14 17 47 1	DN SU?	18.4	12.5		0.06035		1					
MM Sco	17 30 45.3 -42 11 41 1	DN SU	18.5B	13.0B		0.06020 * 0.06136							
CI UMa	10 18 13.0 +71 55 43 1	DN SU	19.1	13.8	34 140	0.060 0.0625							
EG Cnc	08 43 04.0 +27 51 50 1	DN SU WZ	19.3	11.4	7000	0.0599 0.06036		1					
HT Cam J0757+6303	07 57 01.3 +63 06 01 1	NL IP	18. 12.9			0.059712	515.059	1					
J0425-5714	04 25 38.7 -57 14 37 1	NL AM		19.1B		0.059598		1					
FS Aur	05 47 48.3 +28 35 11 1	DN UG	16.2	14.4		0.0595		1					
GQ Mus N Mus 1983	11 52 02.5 -67 12 20 1	Na AM?	17.5	7.2		0.059365		1					
RW UMi N UMi 1956	16 47 54.8 +77 02 12 1	Nb IP?	19.0 21.	6.0		0.0591	2004						
T Leo PG 1135+036	11 38 27.0 +03 22 08 1	DN SU	15.2 15.9	11.0 10.0	420	0.05882 0.06022		1		1.4 0.3	65 19	0.16 0.04	0.11 0.01

Object Name Altern.Name	Coordinates (J2000)	Type	mag1 mag2	mag3 mag4	T1 T2	Orb.Per. 2. Per.	3. Per. 4. Per.	EB SB	Spectr2 Spectr1	M1/M2	Incl	M1	M2
V1025 Cen J1238-3842	12 38 16.5 -38 42 46 1	NL IP	16.1			0.05876 :	2146.6						
KV Dra J1450+6403	14 50 38.3 +64 03 28 1	DN SU	17.1 18.1	15.1 14.0		0.058742 0.06019		 1					
J2315-3048	23 15 31.9 -30 48 46 1	DN SU	17.3 17.6	13.4		0.0587 0.078 :		1? 1					
RZ LMi PG 0948+344	09 51 49.0 +34 07 25 1	DN SU ER	17.0	15.0 14.2	3.8 19	0.0585 * 0.05946							
WX Cet N Cet 1963	01 17 04.2 -17 56 23 1	DN SU WZ	17.5 18.5	9.5	 1000	0.0583 0.05949		 1					
HV Vir N Vir 1929	13 21 03.2 +01 53 29 1	DN SU WZ	19.0	 11.5	 3500	0.05799 0.05820			L5:				
MM Hya PG 0911-066	09 14 14.0 -06 47 45 1	DN SU	18.7 18.9	14.2B 13.8		0.057591 0.05875							
SW UMa	08 36 42.8 +53 28 38 1	DN SU	16.5 17.0	10.6 9.	30 353	0.056815 0.05790	954	 1		7.1 2.0	45 18	0.71 0.22	0.10 0.01
PU CMa	06 40 47.7 -24 23 14 1	DN SU	16.2	11.	 377:	0.056694		 1					
WZ Sge	20 07 36.4 +17 42 15 1	DN SU WZ CP	14.5 15.5	 7. :	 11900	0.056688 0.05726	28.95 28.13	1 1	 DAQZ5		75.9 0.3	0.74 0.07	0.045 0.003
AL Com	12 32 25.9 +14 20 43 1	DN SU WZ	20.0 20.8	12.8 11.8	325 7000:	0.056668 0.05735							<0.18
EF Eri 2A 0311-227	03 14 13.0 -22 35 41 1	NL AM	13.7 15.5	16.5B 18.2		0.056266		D	L4-5		52 5	0.91 0.09	
UW Tri N Tri 1983	02 45 17.3 +33 31 26 1	DN SU WZ	22.6B 22.9B	 14.7		0.0561 * 0.0569 :							

Object Name Altern.Name	Coordinates (J2000)	Type		mag1 mag2	mag3 mag4	T1 T2	Orb.Per. 2. Per.		3. Per. 4. Per.	EB SB	Spectr2 Spectr1	M1/M2	Incl	M1	M2
CI Gru Hawkins V6	21 33 06.8 -42 28 52 1	DN		16.5B 18.5B			0.056	:							
HV And	00 40 55.3 +43 24 59 1	NL		15.2 16.8B			0.05599	:							
V592 Her	16 30 56.5 +21 16 58 1	DN WZ	SU	21.5R	12.3		0.05592 0.05648	*		1					
J0154-5947	01 54 01.0 -59 47 49 2	NL	AM	17.0	15.		0.0556	:							
FH UMa J1047+6335	10 47 09.9 +63 35 14 1	NL	AM	19.4			0.0556	:							
GG Leo J1015+0904	10 15 34.7 +09 04 42 1	NL	AM	18.8	16. 17.		0.055471			D 1		9.4 3.1	63 12	1.0 0.2	0.09 :
EV UMa RE J1307+53	13 07 53.9 +53 51 30 1	NL	AM	17. 18.	20.5 20.8		0.055338								
V2176 Cyg J1927+5417	19 27 11.6 +54 17 52 1	DN WZ	SU	20.	13.3		0.0553 0.0561	*							
LL And	00 41 51.5 +26 37 21 1	DN	SU	19.9	13.8	5000	0.055 0.057006	*							
V844 Her	16 25 01.7 +39 09 27 1	DN	SU	17.5	12.5		0.054643 0.05597			1					
DI UMa	09 12 16.2 +50 53 55 1	DN ER	SU	18.0	16.0 15.1	4 25	0.054564 0.05529								
BW Scl J2353-3851	23 53 00.7 -38 51 46 1	DN		16.4 16.5			0.054323			1					
V4738 Sgr J2022-3954	20 22 37.5 -39 54 13 1	NL	AM	18.5 19.5			0.054179								

Object Name Altern.Name	Coordinates (J2000)	Type	mag1 mag2	mag3 mag4	T1 T2	Orb.Per. 2. Per.	3. Per. 4. Per.	EB SB	Spectr2 Spectr1	M1/M2	Incl	M1	M2
CV Hyi J0132-6554	01 32 42.0 -65 54 32 1	NL AM	19.7			0.054049							
GW Lib	15 19 55.5 -25 00 25 1	DN SU WZ ZZ	18.5	9.		0.05332		1	DAZQ				
CE 315	13 12 46.9 -23 21 31 1	NL AC	17.7			0.04521		1					
J2329+0628	23 29 54.3 +06 28 11 1	DN SU	16.2	12.7B		0.044567 0.04654		2	K2-6	5.3 0.6	50 5	0.65 0.11	0.13 0.03
V485 Cen	12 57 23.3 -33 12 07 1	DN SU?	18.2	14.	148	0.040995 0.04209		1					
GP Com G61-29	13 05 42.9 +18 01 03 1	NL AC	15.7 16.0			0.032339		1			50. :	>0.55 :	
CP Eri	03 10 32.8 -09 45 05 1	NL AC	19.7	16.5		0.01995							
V803 Cen AE 1	13 23 44.5 -41 44 30 1	DN SU ER AC	16.8	12.2	77	0.01865 :							
J1832-0840	18 32 19.0 -08 40 08	NL? AC?				0.017929:							
CR Boo PG 1346+082	13 48 55.3 +07 57 35 1	DN SU ER AC	17.5	14.0 13.0	4-8 46	0.017029 0.017214							
KL Dra	19 24 38.2 +59 41 47 1	DN SU AC	19.4B	16.4		0.015993 0.017718				13		0.67	0.057
HP Lib EC 1533-1403	15 35 53.1 -14 13 12 1	NL AC	13.7			0.012763 0.01295							
AM CVn HZ 29	12 34 54.6 +37 37 43 1	NL AC SH NS	14.1 14.2			0.011907 0.012166		1					

Object Name Altern.Name	Coordinates (J2000)	Type	mag1 mag2	mag3 mag4	T1 T2	Orb.Per. 2. Per.	3. Per. 4. Per.	EB SB	Spectr2 Spectr1	M1/M2	Incl	M1	M2
0158-0939 Cet 3	02 00 52.2 -09 24 32 1	NL AC SH	16.7 17.0			0.007 : 0.007179							
V407 Vul J1914+2456	19 14 26.1 +24 56 43 1	NL AC AM? DA?	16.6I 18.2			0.006590							
J0806+1527	08 06 23.0 +15 27 31 1	NL AC	21.1			0.003722							0.12
J0043+4117	00 43 19.8 +41 17 58 1	NL IP SS					865.5						
WX Pyx 0830-2238	08 33 05.7 -22 48 32 1	NL IP	17.7				1557.5						

Low–Mass X–ray Binaries

Object Name Altern.Name	Coordinates (J2000)	Type	mag1 mag2	mag3 mag4	LX/LO T1	Orb.Per. 2. Per.	3. Per. 4. Per.	EB SB	Spectr2 Spectr1	M1/M2	Incl	M1	M2
V1487 Aql	19 15 11.5	XT BH				33.5			K-M/3		70	14	1.2
GRS 1915+105	+10 56 45 1										2	4	0.2
1811-1710	18 14 31.0	AS XB?				25.0 :			K5/4				
GX 13+1	-17 09 26 1												
1758-2544	18 01 12.4	XT BH?				18.5			K0/III				
	-25 44 36 1												
V395 Car	09 22 34.7	DC	15.5B		1.6	13.25 :		1	K0/III				
2S 0921-630	-63 17 41 1		18.0B					1					
1740-2943	17 43 54.8	XT BH?				12.73							
	-29 44 43 1												
J1744-2844	17 44 33.1	XT XB				11.8367	0.46709						
	-28 44 27 1	XP						1					
0042+3244	00 44 48.8	XT	18.8			11.6 :							
4U 0042+32	+33 00 33 2		19.3										
V1341 Cyg	21 44 41.1	ZS XB	14.5		140	9.8444			A8-F0/3	2.9	62.5	1.78	0.60
Cyg X-2	+38 19 18 1		14.9			77.8		1		0.1	4.0	0.23	0.13
V404 Cyg	20 24 03.8	XT BH	19.2	11.6		6.4714			K0/3-5	16.7	56	10.	0.65
GS 2023+338	+33 52 03 1					0.23585		1		1.5	4	2.	0.25
V1055 Ori	06 17 07.3	XB	18.5		1200	4.898 :							
2S 0614+091	+09 08 13 1												
V4641 Sgr	18 19 21.6	XT BH	13.5	12.4		2.81737			B9/3	1.50	65	10.2	6.8
	-25 24 25 1		>17.					1		0.13	5	1.5	1.3
V1033 Sco	16 54 00.1	XT BH	17.2	14.0		2.6219		1	F6/4	2.39	70.2	6.59	2.76
GRO J1654-40	-39 50 45 1		>18.					2		0.16	1.6	0.45	0.33

Object Name Altern.Name	Coordinates (J2000)	Type		mag1 mag2	mag3 mag4	LX/LO T1	Orb.Per. 2. Per.		3. Per. 4. Per.	EB SB	Spectr2 Spectr1	M1/M2	Incl	M1	M2
BW Cir 1354-6429	13 58 09.9 -64 44 05 1	XT		22. : 	16.9		1.92	:							
V381 Nor J1550-5628	15 50 58.8 -56 28 35 1	XT	BH?	21.4 22.2	16.0		1.552			1	G8/4	8.5 2.5	73.5 2.5	10.6 1.0	1.3 0.35
J1324-6200	13 24 23 -62 00 49	XP					1.13	:	171.245						
IL Lup 4U 1543-47	15 47 08.2 -47 40 10 1	XT	BH	16.7 	14.9		1.123			1	A2/5		29 5	5.2 2.3	2.45 0.15
V1101 Sco 1702-3621	17 05 44.4 -36 25 23 1	ZS		18.2 18.7			0.938								
1624-4904 4U 1624-49	16 28 02.3 -49 11 25 C	DC					0.86991			D					
1813-1403 GX 17+2	18 16 01.4 -14 02 11 1	ZS	XB	17.5 		3000	0.813								
V1333 Aql Aql X-1	19 11 15.9 +00 35 06 1	XT AS	XB	21.6 	14.8	900 211	0.78950			2	K7/5		<12		
V818 Sco Sco X-1	16 19 55.0 -15 38 25 1	ZS		12.0 13.4		500	0.78901			1					
AC 211	21 29 58.4 +12 10 01 1	GC	DC	15.6 16.4		20	0.71301			1					
V822 Cen Cen X-4	14 58 21.9 -31 40 07 1	XT	XB	18.2 19.1	12.8	300	0.629050			1	K3-5/5		42 12	1.3 0.8	<0.7
V821 Ara GX 339-4	17 02 49.3 -48 47 22 1	XT	XP?	15. >21.		10	0.6192		0.00113 190.5	1	F8-G2/3				
V2293 Oph N Oph 1993	17 19 36.8 -25 01 03 1	XT SH?	BH?	>21.	15.0		0.6127	:			M0-5/5				

Object Name Altern.Name	Coordinates (J2000)	Type		mag1 mag2	mag3 mag4	LX/LO T1	Orb.Per. 2. Per.	3. Per. 4. Per.	EB SB	Spectr2 Spectr1	M1/M2	Incl	M1	M2
MM Ser Ser XR-1	18 39 57.4 +05 02 08 1	AS	XB	19.2		1200	0.54 : 3.40252 :							
QX Nor 4U 1608-52	16 12 42.9 -52 25 23 1	XT AS	XB	22.3R	18. :		0.5370 :							
V2107 Oph N Oph 1977	17 08 14.1 -25 05 32 1	XT	BH	21.3 21.8	15.8		0.521		 1		>19	<80	6.65 0.25	0.45 0.15
1747-3115	17 50 46.9 -31 16 30 1	XT	GC				0.5150		1					
LU TrA 4U 1556-605	16 01 02.2 -60 44 18 1			18.6 19.2		180	0.46229 :							
GU Mus N Mus 1991	11 26 26.6 -68 40 32 1	XT SH	BH	20.4 20.6	13.4	>100	0.432602 0.4376		 2	K3-4/5	7.5 1.1	54.0 1.5	6.95 0.60	0.85 0.25
V1408 Aql 4U 1957+11	19 59 23.9 +11 42 29 1			18.7 19.4		800	0.3887							
V406 Vul J1858+2230	18 58 41.7 +22 39 30 1	XT	BH	22.5R	15.5		0.382			G5			>7.4 1.1	
NGC 104-X5 X5 (47 Tuc)	00 24 01.0 -72 04 53 1	XT		21.7			0.3610		1					
J1745-2901	17 45 36 -29 01 34	XT					0.3482		1					
QZ Vul GS 2000+25	20 02 49.4 +25 14 11 1	XT SH	BH	25.2	16.4		0.344092 0.3474		 1	K3-6/5	24 7	65 9	8.5 1.5	0.36 0.12
LMC X-2	05 20 29.3 -71 57 36 8			16.7 19.3		400	0.3400 : 12.543 :		1 1					
V616 Mon Mon X-1	06 22 44.4 -00 20 45 1	XT	BH	17.9 18.4	11.2	200	0.323014		 2	K4/5	15 2	40.8 3.0	11.0 1.9	0.68 0.18

Object Name Altern.Name	Coordinates (J2000)	Type		mag1 mag2	mag3 mag4	LX/LO T1	Orb.Per. 2. Per.	3. Per. 4. Per.	EB SB	Spectr2 Spectr1	M1/M2	Incl	M1	M2
V2134 Oph MXB 1659-29	17 02 06.4 -29 56 44 1	XT	XB	23.6R	18.3	600	0.296505	0.00176	1			>65		
MM Vel N Vel 1993	10 13 36.3 -45 04 32 1	XT	BH	21.4 21.9	13.8		0.285206		2	K7-M0/5	7.3 0.8	78	4.4	0.6
1613-5055	16 17 36.3 -51 02 25 1			>24.			0.25							
LZ Aqr J2123-0547	21 23 14.5 -05 47 53 1	XT	XB	21.6	16.8		0.24817		1 2	K7-8/5	2.78 0.03	72.5 0.7	1.30 0.24	0.60 0.24
1746-3702 4U 1746-37	17 50 12.7 -37 03 07 1	GC	XB	18.8B 18.9B			0.239							
V691 CrA 2A 1822-371	18 25 46.6 -37 06 18 1	DC	XP	15.8 16.4		20	0.232109	0.593086	1 2			82.5 1.5	>0.97 0.24	>0.33 0.05
NGC 104-X7 X7 (47 Tuc)	00 24 03.5 -72 04 52 1	XT					0.23 :							
V1727 Cyg 4U 2129+47	21 31 26.2 +47 17 25 1	DC XT	XB	18.0	15.8	30	0.218260		1 1	F7/5				
V518 Per GRO J0422+32	04 21 42.8 +32 54 27 1	XT SH	BH	22.4	12.6		0.212160 0.2157		1	M4-5/5	8.8 2.5	<45	>2.22	
J1650-4957	16 50 01.0 -49 57 45 1	XT	BH?	17.2I			0.212		1				>0.64 0.03	
V926 Sco MXB 1735-44	17 38 58.1 -44 27 00 1	AS	XB	17.5		1100	0.193834		1					
V4134 Sgr 4U 1755-33	17 58 39.9 -33 48 27 1	XT		>22.	18.5	1400	0.1858		D					
V2216 Oph 4U 1728-16	17 31 44.1 -16 57 41 1	AS		17.0 17.3		400	0.1749		1					

Object Name Altern.Name	Coordinates (J2000)	Type	mag1 mag2	mag3 mag4	LX/LO T1	Orb.Per. 2. Per.	3. Per. 4. Per.	EB SB	Spectr2 Spectr1	M1/M2	Incl	M1	M2
KV UMa	11 18 10.9	XT BH	19.0	12.5		0.169930			K7-M0/5		81	6.9	0.3
J1118+4802	+40 02 13 1	SH				0.170529		1			2	0.8	0.2
GR Mus	12 57 37.1	DC XB	19.1		200	0.16389	0.0275	D					
2S 1254-690	-69 17 20 1							1					
UY Vol	07 48 33.7	XT XB	>23.	16.9		0.159338		1					
EXO 0748-676	-67 45 09 1												
V801 Ara	16 40 55.4	AS XB	17.5		1700	0.158047	0.001718					1.45	
MXB 1636-53	-53 45 05 1	XP	17.9					1				0.20	
J1710-2807	17 10 12.3	XT XB				0.137		1					
	-28 07 54 8												
J0042+4118	00 42 07.7					0.124 :		D					
	+41 01 16 1												
1323-6152	13 26 36.2	XB				0.1222		D					
4U 1323-62	-62 08 09 3												
J0043+4107	00 43 14.4	GC				0.1159		D					
	+41 07 26 1												
M51 X-7	13 30 01.0	UL				0.088							
	+47 13 44 1												
V4634 Sgr	18 29 28.2	XB XT		19.3		0.087 :							
1826-2349	-23 47 49 2												
V4580 Sgr	18 08 27.5	XB XT	20.	16.6		0.083902	0.002494						< 0.1
J1808-3658	-36 58 44 1	XP						1					
UW CrB	16 05 45.7	XB	19.7		16	0.07711		D					
MS 1603+2600	+25 51 45 1												
1705-4402	17 08 54.5	AS XB				0.0544		D					
4U 1705-44	-44 06 02 D												

Object Name Altern.Name	Coordinates (J2000)	Type	mag1 mag2	mag3 mag4	LX/LO T1	Orb.Per. 2. Per.	3. Per. 4. Per.	EB SB	Spectr2 Spectr1	M1/M2	Incl	M1	M2
V1405 Aql 4U 1915-05	19 18 47.9 -05 14 09	XB SH NS	21.5		10000	0.034730 0.035041		D					
1832-3301	18 35 43.6 -32 59 27 1	GC XB XT	18.9			0.0303 :							
J0929-3123	09 29 20.2 -31 23 03 1	XT XP	18.8			0.030263	0.005402	 1					> 0.008
J1751-3037	17 51 13.5 -37 37 23 1	XT XP				0.029460	0.002297	 1					> 0.014
KZ TrA 4U 1627-67	16 32 16.6 -67 27 42 1	XP	18.5		170	0.02876	7.666501						
1850-0846	18 53 04.8 -08 42 20 1	GC XB	20.3			0.01427							
1820-3023 4U 1820-30	18 23 40.5 -30 21 40 1	GC AS XB	18.7B			0.007928							

Related Objects

Object Name Altern.Name	Coordinates (J2000)	Type		mag1 mag2	Orb.Per.	EB SB	Spectr2 Spectr1	E	M1/M2	Incl	M1	R1	M2	R2
1115+1637	11 17 55.2 +16 21 29 1	DS	DD	15.1	30.09	 2	DB DA				1.2 0.3		>0.52 0.12	>0.43 0.15
0850+1700	08 53 23.7 +16 49 36 1	DS		13.9B	27.81	 1	 sdB						>0.466	
IK Peg BD +18 4794	21 26 26.6 +19 22 32 1	DS		6.1	21.7217	 1	A8/5 DA1	0.0			1.19 0.05	0.008 0.002	1.7	
V651 Mon AGK3 -0 965	07 09 22.4 -00 48 24 1	PN	DS	11.3 15.3	15.991	 1	A5/5	0.07 0.06		60 15	0.40 0.05	0.019	1.8 0.3	2.2 0.2
1619+5213	16 20 38.8 +52 06 08 1	DS		13.4	15.357	 1	 sdB						>0.376	
G 203-47A	17 09 31.3 +43 40 55 1	DS		11.8	14.7136	 1	M3.5/5	0.07						
1110+2924	11 13 04.5 +29 07 47 1	DS		14.3	9.415	 1	 sdB						>0.633	
FF Aqr BD -3 5357	22 00 36.2 -02 44 26 1	DS		9.3 9.6	9.207755	1 1	G8/3 sdOB		0.24	81.0	0.5	0.14	2.0	5.7
0940+0649	09 42 55.0 +06 35 37 1	DS	DD?	13.7	8.330	 	 sdB				>0.63 0.02			
1032+4036	10 35 16.9 +40 21 16 1	DS		10.8B	6.779	 1	 sdB						>0.247	
1824+0402	18 27 13.9 +04 04 01 1	DS	DD	13.9	6.2658	 	 DA5		<1.07		0.39 0.03		>0.47 0.01	
0907+1220	09 10 25.5 +12 08 27 1	DS		13.9	6.1163	 1	 sdB						>0.521	

Object Name Altern.Name	Coordinates (J2000)	Type		mag1 mag2	Orb.Per.	EB SB	Spectr2 Spectr1	E	M1/M2	Incl	M1	R1	M2	R2
1244+1119	12 47 06.6 +11 03 13 1	DS		14.2	5.752	1	sdB							
0839+3955	08 43 12.7 +39 44 50 1	DS		14.3	5.622	1	sdB						>0.226	
2032+1849	20 35 13.8 +18 59 29 1	DS	DD	15.3	5.084						0.39			
SuWt 2	13 55 43.3 -59 22 40 1	PN	DS	12.3	4.9	1	B9/5							
1317+4520 PG 1317+453	13 19 14.4 +45 05 08 1	DS	DD	14.1	4.8719	1	DA3		<1.05		0.33 0.03		>0.42 0.02	
Feige 24	02 35 07.5 +03 43 57 1	DS		12.4	4.23160	2	M1-2/5 DAO		1.6 0.1	81 6	0.51 0.06	0.018 0.001	0.36 0.07	
0934+1838	09 37 16.3 +18 25 11 1	DS		12.8B	4.05	1	sdB							
0025+5402	00 28 29.0 +54 19 15 1	DS		13.9	3.571	1	sdB						>0.235	
1241-0102 PG 1241-010	12 44 28.6 -01 18 56 1	DS	DD	14.0	3.3474	1	DA3		<1.12		0.31 0.03		>0.37 0.02	
SP 1	15 51 41.1 -51 31 23 6	PN	DS	13.9	2.91									
Ton 245 PG 1538+269	15 40 35.4 +26 47 42 1	DS	DD?	13.9	2.50	1	sdB						>0.6	
QR Sge	19 11 30.9 +16 51 38 1	PN	DS	11.8	2.3583	1	WN8							
BE UMa PG 1155+492	11 57 44.8 +48 56 19 1	PN	DS	14.1 15.6	2.291166	1 1	K3-4/5 DAO			84 1	0.70 0.07	0.078 0.004	0.36 0.07	0.72 0.05

Object Name Altern.Name	Coordinates (J2000)	Type	mag1 mag2	Orb.Per.	EB SB	Spectr2 Spectr1	E	M1/M2	Incl	M1	R1	M2	R2
1300+2756	13 02 41.8 +27 40 42 1	DS	14.4	2.25932	1	sdB						>0.346	
1349+1424	13 51 54.1 +14 09 46 1	DS DD	15.2	2.20942	2	DA4							
1716+4237	17 18 03.8 +42 34 14 1	DS	13.9	1.77732	1	sdB						>0.366	
1114+1842	11 17 03.5 +18 25 58 1	DS	14.8	1.75992	1			1.4					
HtTr 4	16 45 00.3 -51 12 21 1	PN DS	17.1	1.71									
1204+4505	12 06 47.6 +44 49 54 1	DS DD	14.8	1.6025	2	DA2		0.87 0.03		0.46 0.05		0.52 0.05	
L870-2 WD 0135-052	01 37 59.4 -04 59 45 1	DS DD	12.8	1.55578	2	DA DA		0.90	56	0.47 0.05	0.015	0.52 0.05	0.014
HD 49798	06 48 04.8 -44 18 59 1	DS	8.3	1.547664 13.1789	1	F4-K0 sdO5.5	0.03 0.03	0.9 0.5		1.75 1.0	1.45 0.25	1.75 :	
HD 171858	18 37 56.7 -23 11 35 1	DS	9.8	1.529	1	sdB				0.01		>0.510	
Feige 55 PG 1202+608	12 04 38.6 +60 32 08 1	DS DD	13.6	1.49303	1	DAO		<1.38		0.49 0.01		>0.38 0.05	
2040+3954	20 42 34.0 +40 05 43 1	DS	14.5	1.48291	1	sdB							
0136+7653 GD 420	01 41 21.1 +77 09 03 1	DS DD	15.0	1.407221	2	DA3		1.26 0.03	58	0.47 0.03		0.37 0.02	
1735+2210	17 37 14.1 +22 04 49 1	DS	11.5	1.278	1	sdB						>0.54	

Object Name Altern.Name	Coordinates (J2000)	Type	mag1 mag2	Orb.Per.	EB SB	Spectr2 Spectr1	E	M1/M2	Incl	M1	R1	M2	R2
1512+2421	15 14 32.6 +24 10 41 1	DS	13.2	1.26978	 1	 sdB						>0.458	
IN CMa J0720-3146	07 20 47.9 -31 47 03 1	DS	14.8	1.262396 40000.	 2	M0-2/5 DAO		1.38 0.10	50 2	0.55 0.04	0.018 0.002	0.39 0.07	
0133+1124	01 36 26.1 +11 39 33 1	DS	12.3	1.2382	 1	 sdB						>0.388	
1047-0436	10 50 26.9 -04 52 36 1	DS DD	14.9	1.213253	 1	sdB							
0808+1106	08 11 12.8 +10 57 17 1	DS DD PN	13.8 14.1	1.1806 :	 1								
1428+3723	14 30 42.5 +37 10 15 1	DS DD	15.4	1.171		DA							
1022+0501	10 25 00.0 +04 46 10 1	DS DD	14.2	1.15718		DA4		<2.22		0.35 0.06		>0.26 0.03	
1713+3316 PG 1713+333	17 15 34.5 +33 13 10 1	DS DD	14.5	1.12338	 1	 DA3		<2.47		0.35 0.03		>0.18 0.01	
Abell 65	19 46 34.2 -23 08 13 1	PN DS	15.4	1.00									
1136+6646	11 39 06.0 +66 30 18 1	DS	13.7	1.	1? 2	K6/5 DAO		1.		0.64		0.6	
0918+0258	09 21 28.2 +02 46 02 1	DS	13.3	0.87679	 1	 sdB						>0.313	
1116+3008	11 19 04.9 +29 51 53 1	DS	14.4	0.85621	 1	 sdB						>0.356	
1230+0514	12 33 12.6 +04 57 38 1	DS	13.3	0.8372	 1	 sdB							

Object Name Altern.Name	Coordinates (J2000)	Type	mag1 mag2	Orb.Per.	EB SB	Spectr2 Spectr1	E	M1/M2	Incl	M1	R1	M2	R2
1627+0144	16 29 35.3 +01 38 20 1	DS	12.9	0.829226	 1	 sdB						>0.273	
J1016-0520	10 16 28.6 -05 20 34 1	DS	14.1 	0.78928 3439.	 1	M0-4/5 DAO		3.64 0.04	60 5	0.61 0.06	0.016 0.001	0.15 0.02	
0849+3155	08 52 54.7 +31 43 37 1	DS	14.1	0.74507	 1	 sdB						>0.228	
2009+6216	20 10 43.3 +62 25 40 1	DS	15.2	0.741	 	 DA3							
1248+1626	12 50 50.2 +16 10 04 1	DS	14.4B	0.73232	 1	 sdB						>0.207	
J2013+4002	20 13 09.0 +40 02 24 1	DS	14.6	0.70552	 1	M3-4/5 DAO		2.96 0.31	34 3	0.58 0.06	0.017 0.002	0.18 0.04	
VW Pyx	08 57 45.8 -28 57 36 1	PN DS	16.5 >17.5	0.6701	 	 					0.13 0.04		
EG UMa Case 1	12 15 44.2 +52 31 03 1	DS	13.3B 13.8B	0.667579	 2	M4-5/5 DA4	0.01 0.01	1.72 0.09	58.4 3.2	0.63 0.05	0.012 0.001	0.36 0.04	0.32 0.04
1725+2510	17 27 57.4 +25 08 36 1	DS	13.1	0.601507	 1	 sdB						>0.381	
1247+5522	12 50 04.5 +55 06 02 1	DS	12.7	0.598655	 1	 sdB							
UZ Sex 1026+0014	10 28 34.8 -00 00 29 1	DS	13.6	0.597259	 1	M4e/5 DA3	0.0		>49	0.68 0.23		0.22 0.05	0.25 0.03
V664 Cas HFG 1	03 03 47.0 +64 54 36 1	PN DS	14. 15.	0.5817	 	 							
UX CVn HZ 22	12 14 48.4 +36 38 49 1	DS DD	13.1 13.2	0.573704	 1	 B3	0.10 0.03	0.88 0.10	85 5	0.45 0.05	0.95 0.05	0.51 0.01	<0.011

Object Name Altern.Name	Coordinates (J2000)	Type	mag1 mag2	Orb.Per.	EB SB	Spectr2 Spectr1	E	M1/M2	Incl	M1	R1	M2	R2
Feige 11 PG 0101+039	01 04 21.6 +04 13 38 1	DS DD	12.1	0.569908	 1	 sdB							
HZ 9	04 32 23.2 +17 45 05 1	DS	14.0	0.56433	 2	M5e/5 DA2		1.82 0.26		0.51 0.10		0.28 0.04	
1519+6402	15 20 31.3 +63 52 08 1	DS	12.5	0.539	 1	 sdB							
0001+2731	00 03 55.6 +27 48 38 1	DS	12.8B	0.528	 1	 sdB						>0.35	
V471 Tau BD +16 516	03 50 24.5 +17 14 48 1	DS	9.2 9.8	0.521183 554.635	1 2	K2/5 DA2		0.91 0.02	77.4	0.84 0.05	0.011 0.001	0.93 0.07	0.96 0.04
1414-0848	14 16 52.1 -09 02 03 1	DS DD	16.2B	0.51781	 2	DA DA		0.78 0.01	52	0.71 0.03		0.55 0.03	
1743+4742	17 44 26.4 +47 41 46 1	DS	13.6B	0.515561	 1	 sdB						>0.438	
J2130+4710	21 30 18.5 +47 10 08 2	DS		0.5 :	 1	Me D							
V1513 Cyg	20 05 02.7 +54 26 03 1	DS	12.0	0.497	 1	sdM1.5e	0.01:					0.25	
V477 Lyr	18 31 18.5 +26 56 11 1	PN DS	14.6 15.9B	0.471729	1 2	 sdO		3.45 0.36	80.5 0.2	0.51 0.07	0.17 0.01	0.15 0.02	0.46 0.03
UU Sge	19 42 10.2 +17 05 15 1	PN DS	14.7 19.2	0.465069	2 2	 sdO		2.17 0.22	87.1 0.1	0.63 0.06	0.34 0.01	0.29 0.04	0.54 0.02
1946+4340	19 47 42.9 -43 47 31 1	DS	14.3	0.403739	 1	 sdB						>0.628	
Hf 2-2	18 32 30.9 -28 43 20	PN DS	17.4p	0.398571									

Object Name Altern.Name	Coordinates (J2000)	Type	mag1 mag2	Orb.Per.	EB SB	Spectr2 Spectr1	E	M1/M2	Incl	M1	R1	M2	R2
DE CVn J1326+4532	13 26 53.7 +45 32 50 1	DS	12.8	0.364095	1	M0/5 :							
KV Vel LSS 2018	10 54 40.6 -48 47 04 1	PN DS	11.8 12.4	0.357113	 2	 sdO		2.7 0.2	60 10	0.63 0.03	0.157 0.003	0.23 0.01	0.402 0.005
Feige 36 PG 1101+249	11 04 31.7 +24 39 42 1	DS DD?	12.7	0.3539	 1	 sdB							
GK Vir PG 1413+015	14 15 36.5 +01 17 18 1	DS	17.0 >22	0.344331	1	M3-5/5 DAO			90	0.51 0.04	0.016	0.10	0.15
1042-6902	10 44 10.8 -69 18 22 1	DS	13.1	0.336784	 2	dMe DA3			15 1	0.50 0.05		0.16 0.09	
1528+1025	15 31 10.4 +10 15 00 1	DS	13.1	0.331	 1	 sdB							
TW Crv EC 1157-1845	12 00 05.7 -19 02 05 1	DS	12.7 13.5	0.32762	 2	dM sdO		3.3 0.2					
0416+7007	04 21 28.8 +70 14 40 1	DS	14.7	0.31854	 1	 DA4							
RR Cae LFT 349	04 21 05.5 -48 38 59 1	DS	14.4 18.2B	0.303700	2 1	M5-6/5 DAwk		4.90 0.12	84.0 0.2	0.467	0.015	0.095	0.189
CC Cet PG 0308+096	03 10 55.0 +09 49 29 1	DS	15.3	0.286654	 1	M5e/5 DA2	0.0		42 9	0.40 0.11	0.023 0.004	0.18 0.05	0.21 0.02
2209-1444	22 12 17.6 -14 29 48 1	DS DD	15.1	0.2769	 2	 							
2154+4048	21 56 18.4 +41 02 47 1	DS	15.1 15.3	0.26772	 	 DA							
AA Dor LB 3459	05 31 40.9 -69 53 05 1	DS	11.2 11.6	0.261540	2 1	 sdO	0.0	5.0 0.1	90	0.330 0.006	0.24 0.03	0.066 0.001	

Object Name Altern.Name	Coordinates (J2000)	Type	mag1 mag2	Orb.Per.	EB SB	Spectr2 Spectr1	E	M1/M2	Incl	M1	R1	M2	R2
LM Com	12 26 31.0	DS	16.1	0.258689		M4+/5		1.6	77	0.45		0.28	
CBS 60	+30 38 53 1		16.2		2	DA		0.2	7	0.05		0.05	
1329+1556	13 31 53.6	DS	13.5	0.249699								>0.083	
	+15 41 19 1				1	sdB							
2345+3148	23 48 07.5	DS DD	14.2	0.240946									
	+32 04 48 1				1	sdB							
1432+1553	14 35 18.9	DS DD	13.9	0.2249									
	+15 40 15 1				1	sdB							
BPM 71214	03 32 43.4	DS	13.5	0.20162		M2.5/5				0.77			
	-08 55 40 1				1	DA				0.06			
MS Peg	22 58 48.0	DS	13.6	0.17366		M3-5/5		2.15	69	0.48	0.015	0.22	0.27
GD 245	+25 15 45 1		13.7		2	DA2		0.13	8	0.02	0.001	0.02	0.02
2331+2902	23 34 21.1	DS DD	15.8	0.166492				<1.53		0.39		>0.32	
PG 2331+290	+29 18 43 1				1	DA2				0.03		0.01	
IR Peg	21 34 08.2	DS CP	16.6	0.164	1?					0.61			
PG 2131+066	+06 50 58 1	GW				DOZ.6				0.02			
1347-1258	13 49 52.0	DS	14.7	0.15074	1	M2-4e/5		1.32	73.5	0.77		0.58	0.42
	-13 13 38 1				2	DA		0.07	1.1	0.04		0.05	0.08
1704+4807BC	17 05 30.5	DS DD	14.5	0.144786				0.70	61	0.39		0.56	
	+48 03 05				2	DA5		0.03		0.05		0.07	
1101+3626	11 04 32.6	DS DD	14.4	0.1447				1.15	25 :	0.31			
PG 1101+364	+36 10 48 1				2	DA3		0.04					
NN Ser	15 52 56.2	DS	16.6	0.130080	1	M6.5/5		5.0	87	0.57	0.019	0.12	0.165
PG 1550+131	+12 54 47 1		23.0		1	DAO1		0.6	3	0.04	0.002	0.02	0.015
1043+7600	10 47 05.0	DS	13.0B	0.120151								>0.106	
	+75 44 23 1				1	sdB							

Object Name Altern.Name	Coordinates (J2000)	Type	mag1 mag2	Orb.Per.	EB SB	Spectr2 Spectr1	E	M1/M2	Incl	M1	R1	M2	R2
HW Vir	12 44 20.3	DS	10.5	0.116720	2			3.5	80.6	0.48	0.176	0.14	0.180
BD -7 3477	-08 40 16 1		11.5		1	sdB		0.3	0.2	0.09	0.012	0.02	0.011
MT Ser	17 29 01.9	PN DS	15.4	0.113227						0.6 :	0.47	0.2	
	-15 13 04 1		16.0			sdO					0.05	0.1	
HR Cam	07 17 08.6	DS	15.0	0.103063		M/5			29.3	0.41	0.018	0.096	0.125
WD 0710+741	+74 00 44 1				2	DA3			0.7	0.01		0.004	0.020
NY Vir	13 38 48.2	DS CP	13.0	0.101016	2	M/5 :		3.3 :	81 :	0.5 :		0.15 :	
PG 1336-018	-02 01 49 1	EC	14.2		1	sdB			0.5				
0705+6700	07 10 42.0	DS	14.8	0.095647	2	M		3.60	84.4	0.483	0.230	0.134	0.186
	+66 55 43 1				1	sdB		0.25	0.3				
V2214 Cyg	19 32 14.9	DS CP	13.8	0.095093						>0.97		0.5	
1930+2752	+27 58 35 1	EC			1	sdB							
IQ Cam	04 26 06.9	DS DD	14.7	0.090180	2	sdB		1.05	>85.6	0.53	0.015	0.51	0.193
0422+5421	+54 28 18 1				1			0.12		0.03	0.001	0.05	0.001
1017-0838	10 20 14.4	DS	14.4	0.072994					65	0.5		0.078	0.19
PG 1017-086	-08 53 46 1				1	sdB			6			0.006	
0957-6639	09 58 55.0	DS DD	14.6	0.060993				1.13	81	0.37		0.32	
WD 0957-666	-66 53 12 1				2	DA2		0.02		0.02		0.03	
NGC 6121-V46	16 23 47.0	DS?	18.5	0.04357									
	-26 31 55 1					sdB :							