

Voorzitter T.A. Jurriens, Johan Ellenbergerstraat 29, 9746 AK Groningen
Tel. 050-5732937. E-mail : theo.jurriens@tiscali.nl

Secretaris /
Waarnemingsleider G. Comello, Kapteyn Instituut, Postbus 800, 9700 AV
Groningen
Tel. 050-3634050/4073. E-mail : comello@astro.rug.nl

Penningmeester G. Kuipers, Israelsstraat 5, 9801 EH Zuidhom
Tel. 0594-504902. E-mail : g.kuipers@ict.azg.nl

Recorder / Redactie R.J. Johanns, Zwolseweg 227, 7707 AG Balkbrug
Tel. 0523-656926. E-mail : johanns@inn.nl



Variabilia verschijnt in principe 4x per jaar.
Contributie : 10 Euro per jaar te voldoen op Postbanknummer 489829 tgv
Penningmeester Werkgroep Veranderlijke Sterren, Postbus 800, 9700 AV Groningen.

Variabilia nr.70

Juli 2002

WAARNEMER	CODE	APR 02	MEI 02	JUN 02	TOTAAL
Reinder Bouma	BMU	10	11		21
Erwin van Ballegoij	BVE	84	35	146	265
Georg Comello	CMG	540	763	375	1678
Guus Gilein	GGU	119	24	26	169
Edwin van Dijk	VDE	9	13		22
		762	846	547	2155

Redactioneel

Deze Variabilia verschijnt midden in het vakantieseizoen; en ook op het gebied van de veranderlijke sterren is het uitermate rustig. De drie maanden april, mei en juni waren niet bepaald gezegend met veel goed weer voor de waarnemer, nog afgezien van de langdurige schemering. Opvallend was het vrijwel ontbreken van 100% heldere nachten. Een en ander blijkt uit de lagere aantallen waarnemingen. De tendens, dat het Noorden van het land beter af was met het weer dan het Westen des lands, leek zich ook nu voort te zetten. Geen spectaculair nieuws dus, ook novae e.d. lieten het afweten. Voor de liefhebbers is er het internationale congres van de AFOEV op 26, 27 en 28 augustus 2002 met een aantal voor de waarnemer interessante onderwerpen, vooral uit de waarneempraktijk, zoals schattingsmethoden en sequenties.

Het volledige programma vindt U op <http://cdsweb.u-strasbg.fr/aftev>
Deze bijeenkomst vindt plaats in Bourbon-Lancy, in Bourgondië, en is vanuit Nederland in een dag gemakkelijk bereikbaar. Rest ons, U nog een plezierige vakantie toe te wensen.

De nu volgende tabel bevat de waarnemingen uit de periode april - juni 2002.
 Elke reeks waarnemingen gedaan aan een ster begint met het Harvard nummer, gevolgd door de naam en het type van de ster, afkomstig uit het validation file van de AAVSO 2001.
 In de kolommen staan vermeld de Juliaanse Datum , de helderheid en de waarnemer.
 Voor de JD geldt JD = JD + 2.452.000

0004+51		369.3	12.6	CMG	378.4	8.7	GGU	369.3	9.0	CMG	0526+07		
SS CAS	M	372.3	12.5	GGU	384.4	8.8	GGU	-----	-----	-----	BK ORI	M	
369.6	12.0	372.3	12.7	CMG	-----	-----	-----	0423+09			366.3	10.6	CMG
407.5	10.8	407.5	13.4	CMG	0228+55			S TAU	M		371.3	10.7	CMG
415.5	11.1	426.5	12.5	CMG	DY PER	RCB		369.3	13.2	CMG	-----	-----	-----
420.5	11.1	443.5	11.3	CMG	367.304	12.3	CMG	0430+65			0530+68		
425.5	11.5	450.5	10.7	CMG	368.365	12.4	GGU	T CAM	M		S CAM	SRA	
-----	-----	-----	-----	-----	372.367	12.5	GGU	367.3	7.7	CMG	367.3	10.8	CMG
0008+62		0112+72			372.370	12.3	CMG	371.4	8.8	GGU	371.4	11.0	GGU
UX CAS	SRB	S CAS	M		-----	-----	-----	372.3	8.0	CMG	372.3	10.7	CMG
426.5	10.8	367.4	13.1	CMG	0229+80			372.3	8.0	CMG	385.4	10.5	CMG
447.5	10.8	371.3	13.0	CMG	RR CEP	M		385.4	8.5	CMG	402.4	10.6	CMG
-----	-----	386.4	12.7	CMG	370.4	12.9	CMG	407.6	8.4	CMG	410.4	9.6	CMG
0010+46		402.4	11.2	CMG	402.4	10.4	CMG	420.4	8.4	CMG	420.4	9.1	CMG
X AND	M	407.5	10.3	CMG	407.6	10.5	CMG	425.4	8.6	CMG	425.4	9.1	CMG
425.5	9.8	420.4	9.6	CMG	415.5	10.1	CMG	444.4	8.9	CMG	444.4	9.1	CMG
444.5	10.0	425.4	9.5	CMG	420.4	10.0	CMG	450.5	8.9	CMG	450.5	9.3	CMG
451.5	9.9	444.4	9.5	CMG	425.4	10.0	CMG	-----	-----	-----	-----	-----	-----
-----	-----	450.5	9.5	CMG	443.5	10.0	CMG	0432+74			0533+26		
0017+55		-----	-----	-----	450.5	10.2	CMG	X CAM	M		RR TAU	INSA	
T CAS	M	0113+79			-----	-----	-----	367.3	12.1	CMG	367.325	11.4	CMG
366.3	9.8	AE CEP	M		0311+70			368.4	12.0	GGU	371.319	11.4	CMG
368.3	9.6	367.3	11.1	CMG	V667 CAS	M		378.4	11.5	GGU	-----	-----	-----
371.3	9.9	372.4	11.0	CMG	367.3	13.2	CMG	385.4	11.1	CMG	0535+31		
372.3	9.3	385.4	11.3	CMG	410.4	11.2	CMG	402.4	9.6	CMG	U AUR	M	
407.5	9.1	402.4	12.1	CMG	420.4	11.4	CMG	407.6	8.6	CMG	369.3	13.7	CMG
415.5	9.0	425.5	14.5	CMG	425.4	11.2	CMG	420.4	8.0	CMG	-----	-----	-----
420.5	8.9	-----	-----	-----	444.4	10.7	CMG	425.4	7.8	CMG	0535+38		
425.5	8.7	0123+50			450.5	10.7	CMG	444.4	8.0	CMG	SZ AUR	M	
442.5	9.0	RZ PER	M		-----	-----	-----	450.5	8.0	CMG	367.4	12.3	CMG
450.5	9.0	368.4	12.5	GGU	0320+43			-----	-----	-----	372.4	12.3	CMG
-----	-----	372.4	13.4	GGU	Y PER	M		0446+17			0535+68		
0031+79		-----	-----	-----	367.3	9.3	CMG	V TAU	M		AU CAM	SRA	
Y CEP	M	0149+58			368.4	9.1	GGU	369.3	13.5	CMG	372.4	12.1	CMG
370.4	13.8	X CAS	M		372.3	9.2	GGU	-----	-----	-----	372.4	14.1	CMG
402.4	12.5	368.3	11.2	GGU	372.3	9.3	CMG	0446+49			-----	-----	-----
410.4	11.2	369.3	10.4	CMG	378.4	9.1	GGU	AU AUR	M		0538+00A		
415.5	10.4	372.3	10.3	CMG	384.4	9.0	GGU	367.4	11.9	CMG	GT ORI	SRD	
420.4	9.8	372.3	11.2	GGU	-----	-----	-----	-----	-----	-----	378.6	11.2	BVE
425.4	9.7	407.6	10.1	CMG	0323+35			0452+56			-----	-----	-----
443.5	9.2	425.5	10.3	CMG	R PER	M		TX CAM	M		0543+19		
450.5	9.4	447.5	10.2	CMG	369.3	13.0	CMG	367.3	11.7	CMG	SU TAU	RCB	
-----	-----	450.5	10.3	CMG	-----	-----	-----	372.4	11.0	CMG	369.334	10.2	CMG
0040+47		-----	-----	-----	0324+43			-----	-----	-----	378.563	10.2	BVE
U CAS	M	0152+54			GK PER	NA+XP		0509+53			380.521	10.2	BVE
368.3	8.6	U PER	M		366.310	10.8	CMG	R AUR	M		-----	-----	-----
372.3	9.1	367.3	8.2	CMG	367.304	10.7	CMG	367.4	11.8	CMG	0546+15C		
427.6	11.7	368.4	8.5	GGU	367.337	10.7	BMU	370.4	11.8	GGU	RU TAU	M	
444.5	12.7	372.3	8.2	CMG	367.338	10.2	VDE	372.4	12.0	CMG	367.3	13.0	CMG
-----	-----	372.4	8.3	GGU	368.369	10.6	GGU	378.4	12.2	GGU	-----	-----	-----
0047+46A		384.4	8.4	GGU	369.319	10.5	CMG	378.6	12.1	BVE	0547-05		
RV CAS	M	444.5	9.3	CMG	369.352	10.3	VDE	386.3	12.3	CMG	CN ORI	UGZ	
368.3	11.3	-----	-----	-----	369.352	10.7	BMU	397.4	12.6	CMG	380.519	12.7	BVE
372.3	11.3	0154+57			370.317	10.5	CMG	-----	-----	-----	-----	-----	-----
-----	-----	V666 CAS	M		370.338	10.5	GGU	0515+32			0549+20A		
0049+58		367.3	11.1	CMG	371.320	10.5	CMG	UV AUR	M		U ORI	M	
W CAS	M	444.5	11.7	CMG	371.376	10.5	GGU	367.4	10.3	CMG	367.3	10.2	CMG
368.3	9.3	-----	-----	-----	372.323	10.5	CMG	372.4	10.3	CMG	372.3	10.5	CMG
369.3	9.3	0212+58			372.363	10.5	GGU	386.3	10.3	CMG	378.6	10.1	BVE
372.3	9.3	T PER	SRC		378.391	10.4	GGU	-----	-----	-----	-----	-----	-----
407.5	10.0	370.3	8.9	CMG	384.374	10.9	GGU	0519+50			0549+32		
415.5	10.1	-----	-----	-----	-----	-----	-----	AC AUR	M		AY AUR	M	
420.5	10.2	0215+58			0333+62A			367.4	13.8	CMG	-----	-----	-----
442.5	10.7	S PER	SRC		U CAM	SRB		-----	-----	-----	0549+74		
450.5	10.8	367.3	10.9	CMG	371.3	8.5	CMG	0520+34A			V CAM	M	
-----	-----	368.4	10.5	GGU	385.4	8.4	CMG	S AUR	SR		367.3	11.7	CMG
0058+40		372.3	10.9	CMG	410.4	8.4	CMG	367.4	12.3	CMG	368.4	11.4	GGU
RX AND	UGZ	372.4	10.7	GGU	420.4	8.4	CMG	372.4	12.4	CMG	372.3	11.8	CMG
368.333	10.8	378.4	10.8	GGU	444.4	8.4	CMG	-----	-----	-----	378.4	11.8	GGU
368.340	10.8	384.4	10.9	GGU	450.5	8.3	CMG	0520+36			386.4	11.9	CMG
369.354	10.9	427.6	11.0	CMG	-----	-----	-----	W AUR	M		402.4	12.4	CMG
369.356	10.8	444.5	10.8	CMG	0414+68			370.4	13.6	CMG	410.4	12.7	CMG
-----	-----	-----	-----	-----	SX CAM	M		-----	-----	-----	425.4	13.2	CMG
0110+55A		-----	-----	-----	370.3	13.8	CMG	0524-04A			-----	-----	-----
VZ CAS	M	0221+50			-----	-----	-----	S ORI	M		-----	-----	-----
368.3	12.3	RR PER	M		0422+09			378.6	8.7	BVE	-----	-----	-----
-----	-----	368.4	9.2	GGU	R TAU	M		-----	-----	-----	-----	-----	-----
-----	-----	372.4	9.0	GGU	-----	-----	-----	-----	-----	-----	-----	-----	-----

0553+53
Z AUR SRD
367.4 10.3 CMG
370.4 10.2 GGU
372.4 10.1 CMG
386.3 9.6 CMG
397.4 9.8 CMG

0554+39
AZ AUR M
367.4 11.4 CMG
386.3 11.0 CMG

0557+16
RR ORI M
366.3 11.6 CMG
371.3 12.1 CMG

0602+46
VY AUR M
370.3 13.5 CMG

0604+43
RR AUR M
367.4 9.9 CMG
372.4 10.1 CMG
386.3 10.6 CMG

0604+50
X AUR M
367.4 8.9 CMG
370.4 9.0 GGU
372.4 8.6 CMG
376.4 8.6 CMG
378.6 8.3 BVE
385.3 8.7 CMG

0605+47
SS AUR UGSS
369.336 15.4 CMG

0607+27
SU GEM RVB
370.3 12.7 CMG

0607+46A
ST AUR M
367.4 11.5 CMG
372.4 11.8 CMG
386.4 12.8 CMG

0612+75
W CAM M
410.4 13.9 CMG
426.4 13.6 CMG
444.4 12.0 CMG

0613-17A
UY CMA SRD
378.5 12.0 BVE
393.5 12.3 BVE

0614-17A
UZ CMA SRC
378.5 11.6 BVE
393.5 11.6 BVE

0616+47
V AUR M
367.4 10.7 CMG
370.4 10.5 GGU
372.4 10.9 CMG
376.4 10.9 CMG
378.6 10.8 BVE

0617+25
ZZ GEM M
370.3 9.9 CMG
376.4 9.6 CMG
386.4 9.6 CMG
397.4 10.5 CMG

0617-02
V MON M
366.3 8.6 CMG
371.3 9.4 CMG

0618+24

CD GEM M
370.3 11.1 CMG
376.4 11.0 CMG
386.4 11.1 CMG
397.4 11.5 CMG

0618+50
GO AUR M
367.4 10.5 CMG
386.4 10.6 CMG

0619+47
GQ AUR M
371.3 13.8 CMG

0620+61
V LYN SRB
371.4 9.0 GGU

0625+64
RT CAM M
370.3 13.9 CMG

0625+74
SU CAM M
370.3 14.4 CMG
404.4 11.9 CMG

0630+26A
BR GEM M
370.4 13.8 CMG

0631+59
U LYN M
370.3 13.3 CMG
371.4 13.1 GGU
397.4 13.3 CMG

0632-01
SY MON M
366.3 8.7 CMG
371.3 8.7 CMG

0634+44A
AA AUR M
367.4 13.3 CMG
372.4 13.1 CMG

0635+58
S LYN M
366.3 10.0 CMG
371.3 9.6 CMG
371.4 9.5 GGU
385.4 9.6 CMG
397.4 10.1 CMG
402.4 10.4 CMG

0640+18
RT GEM M
370.3 10.2 CMG
376.4 10.3 CMG

0640+30
X GEM M
370.3 13.1 GGU
370.3 13.3 CMG
376.4 13.2 CMG
378.6 13.0 BVE
397.4 12.6 CMG
397.5 12.6 BVE
427.5 9.9 BVE

0640-16
HL CMA UGSS+XM
378.538 12.2 BVE
380.522 12.3 BVE
393.507 12.9 BVE
397.505 12.7 BVE

0641+08
ST MON M
369.3 12.6 CMG

0645+16
IT GEM M
370.3 11.0 CMG

0651+11

Y MON M
367.3 10.0 CMG
371.3 10.2 CMG

0652-08
X MON SRA
378.6 9.7 BVE
393.5 7.8 BVE

0653+55
R LYN M
366.3 7.6 CMG
371.3 7.5 CMG
371.4 7.8 GGU
385.4 8.4 CMG
397.4 8.3 CMG
402.4 8.5 CMG

0659-03
V838 MON unique
366.322 8.0 CMG
367.323 7.6 CMG
369.326 8.0 CMG
370.331 8.1 CMG
371.326 8.1 CMG
372.317 8.4 CMG
378.581 9.9 BVE
380.524 9.8 BVE
393.512 13.3 BVE
397.508 13.5 BVE

0659-11
Z CMA INA
378.5 10.5 BVE
393.5 10.0 BVE
405.5 10.2 BVE

0701+09
V CMI M
367.3 12.6 CMG
372.3 12.8 CMG
380.5 12.9 BVE
393.5 13.3 BVE

0701+22A
R GEM M
370.3 10.8 CMG
370.3 10.9 GGU
376.4 10.8 CMG
378.6 11.4 BVE
394.3 11.4 CMG
397.5 12.4 BVE
427.5 12.4 BVE

0702+05
RS MON M
369.3 10.2 CMG

0703+10
R CMI M
367.3 8.9 CMG
372.3 8.9 CMG
380.5 8.7 BVE
386.4 8.7 CMG
393.5 8.6 BVE
394.3 8.4 CMG
405.5 8.4 BVE

0706-19A
SY CMA M
378.6 10.7 BVE
393.5 9.8 BVE

0707+14
VX GEM M
370.3 9.8 CMG
376.4 9.8 CMG
386.4 9.7 CMG

0707+17
UZ GEM M
376.4 9.5 CMG
386.3 9.4 CMG

0710+26
WZ GEM M
370.3 9.8 CMG
376.4 9.5 CMG
386.4 9.8 CMG

394.3 9.6 CMG
409.4 10.3 CMG

0710-44
L2 PUP SRB
378.6 6.4 BVE

0717+13
V GEM M
370.3 9.5 CMG
376.4 10.0 CMG
378.6 10.1 BVE
386.3 10.5 CMG
394.3 11.2 CMG
397.5 10.7 BVE
405.5 11.7 BVE

0718-25
VY CMA *
378.5 8.7 BVE

0719+33
XK GEM M
370.3 12.6 CMG
397.4 11.5 CMG

0720-03
BX MON ZAND
370.331 11.6 CMG

0721+41
VX AUR M
370.3 12.8 CMG

0726-09
U MON RVB
378.6 5.9 BVE
393.5 6.3 BVE

0727+08
S CMI M
367.3 12.4 CMG
372.3 11.9 CMG
380.5 11.5 BVE
393.5 11.1 BVE
405.5 10.3 BVE
427.5 9.9 BVE

0728+11
T CMI M
370.3 12.7 CMG
393.5 11.2 BVE
405.5 10.9 BVE
427.5 10.3 BVE

0728-20B
Z PUP M
378.6 9.6 BVE

0732+34
ST GEM M
370.3 12.7 CMG
376.4 12.0 CMG
386.4 11.7 CMG
394.4 10.7 CMG
409.4 10.1 CMG

0735+08
U CMI M
367.3 12.9 CMG
372.3 13.1 CMG
380.5 12.9 BVE
393.5 13.2 BVE
405.5 13.2 BVE
427.5 13.2 BVE

0737+23
S GEM M
370.3 9.1 CMG
370.3 9.3 GGU
376.4 9.3 CMG
378.6 9.8 BVE
386.3 9.5 CMG
394.3 10.0 CMG
397.5 10.2 BVE
402.4 11.0 CMG
405.5 10.6 BVE
410.4 10.8 CMG
427.5 12.2 BVE

0743+23
T GEM M
370.3 10.5 CMG
370.3 10.7 GGU
376.4 10.1 CMG
378.6 9.9 BVE
386.3 9.6 CMG
394.3 9.0 CMG
397.5 9.1 BVE
402.4 9.4 CMG
405.5 9.2 BVE
410.4 9.4 CMG
427.5 9.1 BVE

0749+22
U GEM UGSS+E
370.325 14.4 CMG
371.351 14.2 CMG
380.525 14.3 BVE
393.540 14.3 BVE
397.395 13.8 CMG
427.516 9.5 BVE

0803+62
SU UMA UGSU
370.367 14.0 CMG
371.333 14.4 CMG
410.403 14.3 CMG
426.442 14.1 CMG

0804+28
YZ CNC UGSU
366.309 12.3 CMG
367.384 13.2 CMG
369.330 14.3 CMG
370.347 14.5 CMG
370.347 14.6 CMG
371.326 14.5 CMG
372.374 12.1 CMG
397.386 12.0 CMG

0808+10
VW CNC M
370.3 13.7 CMG

0808+37
RT LYN M
366.3 10.4 CMG
371.3 10.1 CMG
371.4 10.2 GGU
402.4 10.2 CMG
410.4 10.2 CMG

0810+40
W LYN M
371.3 10.6 CMG
371.4 10.3 GGU
402.4 11.7 CMG
410.4 11.9 CMG

0811+12
R CNC M
367.4 10.8 CMG
397.4 11.3 CMG
397.5 11.6 BVE
427.5 10.9 BVE

0814+73
Z CAM UGZ
366.322 13.0 CMG
367.357 12.7 BMU
367.357 13.3 VDE
367.387 13.0 CMG
368.397 13.2 GGU
368.538 13.4 CMG
370.327 13.1 CMG
370.342 13.2 GGU
371.336 13.4 CMG
371.381 13.4 GGU
372.386 13.5 GGU
376.378 13.2 CMG
378.428 13.4 GGU
384.400 10.9 GGU
385.358 10.9 CMG
386.367 11.5 CMG
394.358 13.2 CMG
402.363 13.0 CMG
404.449 10.8 CMG

407.411 11.2 BMU
407.412 11.2 VDE
407.470 11.4 CMG
409.384 11.7 CMG
410.369 12.0 CMG
415.483 13.4 CMG
420.410 13.4 CMG
424.409 13.5 CMG
426.417 13.4 CMG
426.435 13.4 BMU
426.437 13.5 VDE
427.422 13.4 GGU
427.540 13.2 CMG
442.524 11.6 CMG
447.449 13.3 CMG
450.478 13.2 CMG
451.483 13.5 CMG
453.466 13.2 CMG

0816+17
V CNC M
370.3 13.1 CMG
397.4 12.1 CMG
397.5 12.8 BVE
427.5 10.4 BVE

0816+33
T LYN M
366.3 12.0 CMG
371.3 12.0 CMG
371.4 12.4 GGU
410.4 12.6 CMG

0819+35
X LYN M
371.3 14.7 CMG

0830+13
UY CNC M
370.3 13.9 CMG

0830+19
U CNC M
370.3 14.5 CMG

0833+50
X UMA M
397.4 10.9 CMG
402.4 10.7 CMG
409.4 10.7 CMG
420.4 10.2 CMG
426.4 10.3 CMG

0848+03
S HYA M
367.3 10.9 CMG
372.3 11.1 CMG

0850-08
T HYA M
367.3 9.0 CMG
372.3 9.3 CMG

0852-02
WW HYA M
367.3 9.8 CMG
372.3 9.8 CMG

0853-00
TU HYA M
367.3 12.1 CMG
372.3 12.4 CMG

0855+18
SY CNC UGZ
366.313 11.5 CMG
367.384 11.5 CMG
369.330 11.5 CMG
370.342 11.9 CMG
371.326 12.2 CMG
372.342 12.2 CMG
397.386 12.7 CMG
397.525 11.2 BVE
410.401 12.6 CMG
427.534 13.2 BVE

0904+25
W CNC M
370.3 14.0 CMG

397.4 14.0 CMG
410.4 14.0 CMG

0911-04
UZ HYA M
370.4 13.1 CMG

0930-14
X HYA M
370.4 12.9 CMG

0931+78
Y DRA M
367.3 10.7 CMG
372.3 11.6 CMG
385.4 12.3 CMG
402.4 13.2 CMG
407.6 13.3 CMG
424.4 13.9 CMG
447.4 14.5 CMG

0937+20
RS LEO M
367.3 14.4 CMG
372.3 14.5 CMG
397.4 14.6 CMG

0939+34
R LMI M
367.3 12.2 CMG
370.4 12.7 GGU
397.5 13.1 BVE
402.4 13.1 CMG
410.4 13.2 CMG
437.5 :13.4 BVE

0939+52
ER UMA UG:
371.333 14.8 CMG
404.462 13.4 CMG
410.403 13.4 CMG

0942+11
R LEO M
366.3 8.1 BMU
367.3 8.1 CMG
372.3 8.2 CMG
376.4 8.2 CMG
385.4 8.3 CMG
397.5 8.9 BVE
402.4 8.7 CMG
405.5 8.8 BVE
409.4 8.8 CMG
420.4 9.0 CMG
425.4 9.2 CMG
427.5 9.3 BVE
437.5 9.5 BVE

0945+12
X LEO UGSS
367.339 12.7 CMG
367.360 12.5 BMU
367.361 12.1 VDE
369.335 13.8 CMG
402.372 12.4 CMG

0947+35
S LMI M
367.3 10.0 CMG
370.4 10.5 GGU
386.4 10.9 CMG
402.4 12.4 CMG
410.4 12.6 CMG

0948+36
U LMI SRA
370.4 11.7 GGU
402.4 11.1 CMG
410.4 10.9 CMG

0954+21
V LEO M
367.3 13.1 CMG
372.3 13.7 CMG
410.4 13.9 CMG
424.4 13.9 CMG

0958+14
RY LEO SRB

367.3 9.9 CMG
372.3 9.9 CMG
402.4 10.4 CMG
409.4 10.4 CMG
420.4 10.7 CMG
425.4 10.9 CMG

1009+73
DH DRA M
424.4 12.5 CMG
453.5 12.6 CMG

1029+00
S SEX M
372.3 11.4 CMG
397.4 12.6 CMG

1037+69
R UMA M
367.3 12.2 CMG
368.4 12.3 GGU
372.3 12.3 CMG
376.4 12.3 CMG
378.4 12.4 GGU
384.4 12.7 GGU
402.5 12.6 CMG
407.5 12.4 CMG
411.4 12.6 GGU
418.4 12.4 GGU
420.4 12.3 CMG
427.4 12.3 GGU
442.4 11.8 CMG
450.4 11.4 CMG

1048+14
W LEO M
371.3 14.6 CMG

1048+72
VX UMA M
371.3 14.9 CMG
397.4 15.0 CMG

1058-02
SX LEO SRB
367.3 9.8 CMG
372.3 9.9 CMG
410.4 9.9 CMG

1105+06
S LEO M
367.3 12.3 CMG
372.3 12.8 CMG
407.4 14.4 CMG

1107-06
U CRT M
370.4 14.4 CMG

1118+17
TZ LEO M
367.3 11.1 CMG
372.3 11.0 CMG
385.4 10.9 CMG
402.4 10.5 CMG
409.4 10.2 CMG
420.4 10.2 CMG
426.4 10.2 CMG

1136+39
RU UMA M
404.5 11.5 CMG
420.4 10.1 CMG
425.4 10.0 CMG

1151+58
Z UMA SRB
367.3 8.7 CMG
372.3 8.6 CMG
376.4 8.7 CMG
385.3 8.4 CMG
394.4 8.1 CMG
402.4 8.1 CMG
407.5 8.0 CMG
415.5 7.9 CMG
420.4 8.2 CMG
437.7 8.7 BVE
442.4 8.8 CMG
450.4 8.5 CMG

1159+19
R COM M
370.4 14.5 CMG

1200+12
SU VIR M
376.4 9.8 CMG
385.4 10.6 CMG
410.4 12.2 CMG
424.4 12.9 CMG

1209-05
T VIR M
379.7 14.0 BVE
397.5 :14.0 BVE
410.4 14.4 CMG
429.5 :14.5 BVE
437.5 14.0 BVE

1214-18
R CRV M
378.6 10.1 BVE
385.4 10.0 CMG
397.5 10.5 BVE
407.4 10.9 CMG
427.6 11.5 BVE
437.5 11.9 BVE

1220+01
SS VIR M
370.4 8.9 CMG
376.4 8.8 CMG
379.7 8.9 BVE
385.4 8.9 CMG
397.6 9.2 BVE
404.4 8.7 CMG
409.4 8.5 CMG
420.4 8.2 CMG
425.4 8.2 CMG
429.5 9.0 BVE
437.5 8.5 BVE

1225+32
T CVN M:
367.3 9.9 CMG
372.3 10.0 CMG
385.4 10.1 CMG
402.4 10.3 CMG
407.5 10.2 CMG
415.5 10.2 CMG
420.4 10.0 CMG
425.4 9.9 CMG
442.4 10.3 CMG
450.4 11.0 CMG

1228-03
Y VIR M
370.4 11.8 CMG
379.7 12.2 BVE
397.6 13.4 BVE
407.4 13.5 CMG
410.4 14.0 CMG
429.5 13.5 BVE
437.5 13.5 BVE

1231+60
T UMA M
367.3 10.6 CMG
368.4 10.9 GGU
372.3 10.9 CMG
376.4 11.0 CMG
378.4 11.3 GGU
378.5 11.0 BVE
384.4 11.9 GGU
385.3 11.4 CMG
394.3 12.0 CMG
402.4 12.2 CMG
407.5 12.4 CMG
415.5 12.6 CMG
420.4 12.8 CMG
427.4 12.7 GGU
427.6 12.9 BVE
442.4 12.8 CMG
451.5 12.8 CMG

1233+07
R VIR M
370.4 10.9 CMG

376.4 10.9 CMG
379.7 9.9 BVE
385.4 10.3 CMG
397.6 8.8 BVE
402.4 8.6 CMG
409.4 7.7 CMG
420.4 7.4 CMG
425.4 7.2 CMG
429.5 7.1 BVE
437.5 7.4 BVE

1233+66
RV DRA M
367.4 11.6 CMG
372.3 12.0 CMG
386.4 12.5 CMG
402.4 9.8 CMG
426.5 :15.0 CMG

1234+59
RS UMA M
367.3 13.5 CMG
368.4 13.5 GGU
372.3 13.6 CMG
378.4 13.8 GGU
378.5 14.0 BVE
397.4 14.3 CMG
404.5 14.4 CMG
410.4 14.5 CMG
427.4 :13.6 GGU
427.6 :14.0 BVE
447.5 13.6 CMG
451.5 13.5 CMG

1239+61
S UMA M
367.3 9.6 CMG
368.4 9.5 GGU
372.3 9.8 CMG
376.4 9.9 CMG
378.4 10.3 GGU
384.4 10.5 GGU
385.3 10.1 CMG
394.3 10.4 CMG
402.4 10.7 CMG
407.5 11.2 CMG
415.5 11.3 CMG
420.4 11.3 CMG
427.4 11.2 GGU
427.6 11.0 BVE
437.7 10.4 BVE
442.4 10.0 CMG
450.4 9.3 CMG

1242+04
RU VIR M
370.4 12.8 CMG
379.7 13.0 BVE
397.6 13.4 BVE
404.5 13.3 CMG
410.4 13.5 CMG
424.4 13.5 CMG
429.5 13.6 BVE
437.6 14.3 BVE

1242+38
U CVN M
370.6 :15.0 CMG
404.5 :15.0 CMG

1246+06
U VIR M
370.4 8.6 CMG
376.4 8.5 CMG
379.7 8.6 BVE
385.4 8.8 CMG
397.6 8.8 BVE
402.4 8.5 CMG
409.4 8.4 CMG
420.4 8.4 CMG
425.4 8.6 CMG
429.5 8.9 BVE
437.6 9.1 BVE

1322+62
RR UMA M
369.3 12.1 CMG
376.4 11.4 CMG
385.3 10.7 CMG

407.6 9.2 CMG
 415.5 9.1 CMG
 420.4 9.2 CMG
 447.4 10.2 CMG

 1322-02
 V VIR M
 370.4 10.3 CMG
 379.7 10.4 BVE
 385.4 10.1 CMG
 397.6 9.9 BVE
 404.4 9.6 CMG
 409.4 10.1 CMG
 424.4 10.4 CMG
 429.5 10.4 BVE
 437.6 10.4 BVE

 1327-06
 S VIR M
 370.4 10.8 CMG
 379.7 10.6 BVE
 385.4 11.5 CMG
 397.6 12.0 BVE
 404.4 12.7 CMG
 424.5 12.7 CMG

 429.5 12.4 BVE
 437.6 12.7 BVE

 1332+73
 T UMI M
 367.4 13.6 CMG
 368.4 13.1 GGU
 372.3 13.0 CMG
 372.4 12.8 GGU
 378.4 12.4 GGU
 384.4 12.3 GGU
 394.4 12.0 CMG
 402.4 11.6 CMG
 407.6 11.5 CMG
 411.4 10.8 GGU
 415.5 10.9 CMG
 418.4 10.7 GGU
 420.4 10.4 CMG
 425.4 10.3 CMG
 427.4 10.8 GGU
 442.4 10.3 CMG
 450.4 10.7 CMG

 1336+74
 V UMI SRB
 372.3 13.7 CMG

 1336-33
 T CEN SRA
 378.6 6.2 BVE
 427.5 8.3 BVE
 437.6 7.9 BVE

 1342-36
 RT CEN M
 378.6 11.0 BVE
 427.6 9.3 BVE
 437.6 11.2 BVE

 1344+34
 RT CVN M
 402.4 12.5 CMG
 407.5 11.8 CMG
 415.5 10.8 CMG
 420.4 10.5 CMG
 442.4 10.7 CMG
 450.4 10.4 CMG

 1344+40
 R CVN M
 367.3 9.9 CMG
 372.3 9.8 CMG
 379.7 9.5 BVE
 385.4 9.5 CMG
 397.5 8.9 BVE
 402.4 8.9 CMG
 407.5 8.4 CMG
 415.5 8.1 CMG
 420.4 7.8 CMG
 425.4 7.9 CMG
 429.6 7.8 BVE
 437.7 7.9 BVE
 442.4 7.4 CMG

450.4 7.7 CMG

 1344-01
 CE VIR RV
 397.4 9.2 CMG
 410.4 8.9 CMG
 424.4 8.9 CMG

 1353-04
 SY VIR M
 397.4 12.0 CMG

 1359-08
 RR VIR M
 368.6 11.8 CMG

 1401+13
 Z BOO M
 370.4 12.1 CMG
 376.4 12.4 CMG
 407.4 13.9 CMG
 424.4 14.4 CMG

 1409-59
 R CEN M
 379.7 8.2 BVE
 427.5 9.5 BVE

 1415+67
 U UMI M
 367.3 11.5 CMG
 368.4 11.2 GGU
 372.3 11.5 CMG
 372.3 11.5 CMG
 372.4 11.4 GGU
 376.4 11.4 CMG
 378.4 11.5 GGU
 384.4 11.2 GGU
 385.3 11.4 CMG
 394.4 11.1 CMG
 402.4 10.8 CMG
 407.6 10.6 CMG
 411.4 10.6 GGU
 415.5 10.3 CMG
 418.4 10.3 GGU
 420.4 10.0 CMG
 425.4 9.9 CMG
 427.4 10.2 GGU
 450.4 9.2 CMG

 1419+26
 RX BOO SRB
 379.7 8.0 BVE
 429.6 8.1 BVE
 437.7 8.0 BVE

 1419+54
 S BOO M
 367.4 9.2 CMG
 372.4 9.6 CMG
 385.4 9.9 CMG
 394.3 10.6 CMG
 402.4 10.5 CMG
 407.5 10.9 CMG
 415.5 11.6 CMG
 420.4 12.0 CMG
 425.4 12.2 CMG
 429.6 12.3 BVE
 437.7 12.5 BVE
 442.5 12.8 CMG

 1422+05
 RS VIR M
 370.4 12.8 CMG
 379.7 12.6 BVE
 420.5 10.3 CMG
 425.4 9.9 CMG
 429.5 9.3 BVE
 437.6 8.8 BVE
 444.5 8.6 CMG

 1425+39
 V BOO SRA
 367.4 8.2 CMG
 372.4 8.4 CMG
 379.7 8.7 BVE
 385.4 8.5 CMG
 394.4 9.0 CMG
 397.6 9.1 BVE

 1443+39
 RR BOO M
 367.4 11.2 CMG
 372.4 10.7 CMG
 379.7 9.8 BVE
 385.4 9.3 CMG
 397.6 8.8 BVE
 402.4 9.2 CMG
 407.5 9.4 CMG
 415.5 9.0 CMG
 420.4 9.1 CMG
 425.4 9.1 CMG
 429.6 9.6 BVE
 437.7 9.6 BVE
 442.5 10.0 CMG
 450.4 10.2 CMG

 1449+18
 U BOO SRB
 379.7 11.2 BVE
 397.6 10.8 BVE
 429.6 11.3 BVE
 437.7 11.5 BVE

 1506-05
 Y LIB M
 368.6 10.2 CMG
 407.4 12.2 CMG
 424.4 12.8 CMG

 1510+83
 Z UMI RCB
 367.317 11.2 CMG
 367.351 11.3 VDE

402.4 9.0 CMG
 407.5 9.1 CMG
 415.5 9.1 CMG
 420.4 9.2 CMG
 425.4 9.5 CMG
 429.5 9.7 BVE
 437.7 9.6 BVE
 442.4 9.5 CMG
 450.4 9.5 CMG

 1425+84
 R CAM M
 368.4 9.0 GGU
 372.3 9.1 CMG
 372.4 9.1 GGU
 378.4 9.4 GGU
 384.4 9.1 GGU
 385.4 9.5 CMG
 394.4 9.7 CMG
 402.4 10.0 CMG
 407.6 10.0 CMG
 411.4 10.3 GGU
 415.5 10.4 CMG
 418.4 10.6 GGU
 420.4 11.4 CMG
 425.4 11.4 CMG
 427.4 11.5 GGU
 442.5 11.9 CMG
 450.5 12.3 CMG

 1428-39
 V854 CEN RCB
 379.723 7.2 BVE
 427.552 7.3 BVE
 429.656 7.2 BVE
 433.678 7.4 BVE
 437.645 7.2 BVE

 1432+27
 R BOO M
 367.4 7.5 CMG
 372.4 8.1 CMG
 379.7 8.2 BVE
 385.4 8.5 CMG
 394.4 8.7 CMG
 397.6 9.1 BVE
 402.4 9.2 CMG
 407.5 9.5 CMG
 415.5 10.2 CMG
 420.4 10.5 CMG
 425.4 10.8 CMG
 429.5 11.5 BVE
 437.7 11.5 BVE
 450.4 12.4 CMG

 1443+39
 RR BOO M
 367.4 11.2 CMG
 372.4 10.7 CMG
 379.7 9.8 BVE
 385.4 9.3 CMG
 397.6 8.8 BVE
 402.4 9.2 CMG
 407.5 9.4 CMG
 415.5 9.0 CMG
 420.4 9.1 CMG
 425.4 9.1 CMG
 429.6 9.6 BVE
 437.7 9.6 BVE
 442.5 10.0 CMG
 450.4 10.2 CMG

 1449+18
 U BOO SRB
 379.7 11.2 BVE
 397.6 10.8 BVE
 429.6 11.3 BVE
 437.7 11.5 BVE

 1506-05
 Y LIB M
 368.6 10.2 CMG
 407.4 12.2 CMG
 424.4 12.8 CMG

 1510+83
 Z UMI RCB
 367.317 11.2 CMG
 367.351 11.3 VDE

367.352 11.2 BMU
 368.376 11.2 GGU
 370.327 11.2 CMG
 370.339 11.2 GGU
 371.382 11.2 GGU
 372.374 11.2 GGU
 376.394 11.1 CMG
 378.396 11.2 GGU
 384.385 11.2 GGU
 386.367 11.0 CMG
 394.359 10.9 CMG
 397.395 11.0 CMG
 402.443 11.1 CMG
 407.410 11.1 BMU
 407.410 11.2 VDE
 407.573 11.1 CMG
 411.398 11.1 GGU
 418.393 11.0 GGU
 420.499 11.2 CMG
 426.433 11.1 BMU
 426.435 11.3 VDE
 427.4 11.0 GGU
 442.472 11.0 CMG
 447.455 11.1 CMG

 1513+36
 RT BOO M
 367.4 10.5 CMG
 372.4 10.6 CMG
 379.7 10.5 BVE
 385.4 10.5 CMG
 402.4 10.6 CMG
 407.5 10.6 CMG
 415.5 10.9 CMG
 420.4 10.8 CMG
 425.4 10.8 CMG
 429.6 11.0 BVE
 437.7 11.2 BVE
 442.5 11.4 CMG
 450.4 11.3 CMG

 1517+14
 S SER M
 385.4 11.0 CMG
 402.4 10.9 CMG
 407.5 10.9 CMG
 415.5 10.6 CMG
 420.5 10.6 CMG
 425.5 10.5 CMG
 443.5 10.6 CMG
 450.4 10.0 CMG

 1517+31
 S CRB M
 367.4 10.8 CMG
 372.4 10.7 CMG
 379.7 10.8 BVE
 385.4 10.9 CMG
 402.4 11.5 CMG
 407.5 11.7 CMG
 420.4 11.9 CMG
 425.4 12.0 CMG
 429.6 11.5 BVE
 437.7 11.6 BVE
 442.5 12.6 CMG
 450.4 12.5 CMG

 1527+03
 WW SER M
 368.5 12.2 CMG
 407.5 13.0 CMG
 424.4 13.4 CMG

 1533+78A
 S UMI M
 367.3 8.8 CMG
 368.4 9.5 GGU
 372.3 8.6 CMG
 372.4 8.8 GGU
 376.4 8.6 CMG
 378.4 8.8 GGU
 384.4 8.7 GGU
 385.3 8.4 CMG
 394.4 8.3 CMG
 402.4 8.4 CMG
 407.6 8.4 CMG
 411.4 8.4 GGU
 415.5 8.4 CMG
 418.4 8.3 GGU

420.4 8.4 CMG
 425.4 8.4 CMG
 427.4 8.6 GGU
 442.4 8.8 CMG
 450.4 8.9 CMG

 1544+28A
 R CRB RCB
 367.374 6.1 CMG
 368.354 6.0 BMU
 369.635 5.9 VDE
 372.373 6.2 CMG
 372.604 5.9 VDE
 376.397 6.2 CMG
 379.700 6.1 BVE
 385.376 6.2 CMG
 402.406 6.1 CMG
 404.457 6.1 CMG
 407.438 6.0 VDE
 407.548 6.0 CMG
 410.403 6.0 CMG
 411.420 6.0 VDE
 411.422 6.0 BMU
 415.499 6.0 CMG
 418.501 6.0 VDE
 421.443 6.0 VDE
 424.401 6.0 CMG
 425.394 6.0 CMG
 425.428 5.9 VDE
 426.436 5.9 BMU
 429.576 6.1 BVE
 437.675 6.0 BVE
 442.460 5.9 CMG
 447.431 5.9 CMG
 451.470 6.0 CMG

 1544+28B
 TT CRB SRB
 379.7 11.0 BVE
 429.6 11.8 BVE
 437.7 11.7 BVE

 1545+36
 X CRB M
 367.4 9.0 CMG
 372.4 8.8 CMG
 385.4 8.7 CMG
 402.4 9.4 CMG
 407.5 9.5 CMG
 420.4 10.1 CMG
 425.4 10.8 CMG
 442.5 11.9 CMG
 450.4 12.2 CMG

 1546+15
 R SER M
 379.7 10.4 BVE
 385.4 10.7 CMG
 402.4 11.5 CMG
 407.5 11.6 CMG
 415.5 11.7 CMG
 420.5 11.8 CMG
 425.5 12.0 CMG
 429.6 12.3 BVE
 437.7 12.7 BVE
 444.5 12.7 CMG
 451.5 13.0 CMG

 1546+39
 V CRB M
 367.4 8.8 CMG
 379.7 8.4 BVE
 385.4 8.7 CMG
 402.4 8.6 CMG
 407.5 8.9 CMG
 420.4 9.0 CMG
 425.4 9.3 CMG
 429.6 8.6 BVE
 437.7 8.7 BVE
 442.5 9.4 CMG
 450.4 9.3 CMG

 1552+29
 Z CRB M
 368.6 12.5 CMG
 372.4 12.7 CMG
 397.4 13.6 CMG
 404.5 13.6 CMG
 407.5 13.8 CMG

1555+26
T CRB NR
385.377 10.2 CMG
402.406 10.2 CMG
407.548 10.2 CMG
420.406 10.3 CMG
425.410 10.3 CMG
426.439 10.5 BMU
426.440 10.4 VDE
442.461 10.2 CMG

1558-23
RZ SCO M
379.7 11.0 BVE
429.7 11.1 BVE
437.7 10.8 BVE

1600-21
Z SCO M
379.7 11.2 BVE
429.7 11.9 BVE
437.7 12.1 BVE

1601+18
R HER M
369.6 9.9 CMG
402.4 9.6 CMG
415.5 9.8 CMG
420.4 9.8 CMG
425.4 9.9 CMG
442.5 11.0 CMG
450.5 11.0 CMG

1601+67
AG DRA ZAND
368.385 10.1 GGU
370.360 10.0 CMG
370.391 10.1 GGU
372.382 10.0 GGU
376.397 10.0 CMG
378.401 10.0 GGU
384.393 9.9 GGU
386.376 9.9 CMG
397.419 10.0 CMG
402.436 9.9 CMG
411.410 9.8 GGU
418.405 10.0 GGU
420.423 10.0 CMG
426.401 10.0 CMG
427.415 10.1 GGU
447.449 9.9 CMG

1602+10
U SER M
368.5 13.3 CMG
379.7 13.3 BVE
407.5 14.0 CMG
424.5 13.3 CMG
429.6 13.6 BVE
437.7 12.6 BVE
444.5 11.7 CMG
450.4 11.2 CMG

1602-21A
X SCO M
429.7 11.6 BVE
437.7 11.4 BVE

1606+25
RU HER M
369.6 10.0 CMG
385.4 10.7 CMG
402.4 10.9 CMG
415.5 11.5 CMG
420.4 11.6 CMG
425.4 11.7 CMG
442.5 12.3 CMG
450.5 12.2 CMG

1607+10
DN HER M
368.5 12.3 CMG
407.5 11.2 CMG
424.5 10.7 CMG
447.4 11.0 CMG

1611+38
W CRB M

367.4 11.0 CMG
372.4 11.3 CMG
385.4 11.5 CMG
402.4 12.5 CMG
407.5 12.7 CMG
420.4 13.5 CMG
425.4 13.8 CMG
442.5 14.0 CMG

1611-22A
R SCO M
429.7 14.2 BVE
437.7 13.2 BVE

1611-22B
S SCO M
429.7 12.7 BVE
437.7 12.3 BVE

1613+26
NP HER M
385.4 11.1 CMG
402.4 11.1 CMG
420.4 11.1 CMG
425.4 11.1 CMG
442.5 11.3 CMG

1616-07
W OPH M
368.6 12.9 CMG
370.6 12.8 CMG
379.7 13.4 BVE
424.5 14.4 CMG

1621+19
U HER M
369.6 8.8 CMG
379.7 9.1 BVE
385.4 9.2 CMG
402.4 9.7 CMG
415.5 9.9 CMG
420.4 10.0 CMG
425.4 10.3 CMG
429.6 9.7 BVE
437.7 10.0 BVE
442.5 10.7 CMG
450.5 10.8 CMG

1621-12
V OPH M
429.7 8.9 BVE

1623-19
Y SCO M
429.7 14.1 BVE
437.7 13.9 BVE

1626+23
DO HER M
368.5 14.5 CMG

1628+07A
SS HER M
369.6 9.1 CMG
407.4 11.3 CMG
420.4 12.8 CMG
425.4 13.0 CMG
443.5 12.7 CMG
451.5 12.1 CMG

1628-15
T OPH M
433.7 12.0 BVE

1628-16
S OPH M
369.6 11.1 CMG
433.7 14.5 BVE

1631+37
W HER M
369.6 9.7 CMG
379.7 10.2 BVE
385.4 10.8 CMG
402.4 11.8 CMG
415.5 12.2 CMG
420.4 12.5 CMG
425.4 12.6 CMG
429.6 12.9 BVE

437.7 13.7 BVE
442.5 13.4 CMG
450.5 13.5 CMG

1631+72
R UMI SRA
368.4 10.1 GGU
372.4 10.2 GGU
384.4 9.5 GGU
411.4 9.4 GGU
418.4 9.3 GGU
427.4 9.4 GGU

1632+66
R DRA M
367.3 8.4 CMG
368.4 8.3 GGU
372.3 8.2 CMG
372.4 8.4 GGU
378.4 8.2 GGU
384.4 7.8 GGU
385.4 7.8 CMG
402.4 7.8 CMG
411.4 7.8 GGU
415.5 7.7 CMG
418.4 7.9 GGU
420.4 7.8 CMG
425.4 7.9 CMG
427.4 7.9 GGU
442.5 8.4 CMG
450.5 8.7 CMG

1634+14
AS HER M
368.5 13.3 CMG
407.4 13.7 CMG
424.4 13.5 CMG

1640+12
UV HER M
368.5 12.6 CMG
407.4 14.5 CMG

1640+25
AH HER UGZ
368.541 12.5 CMG
369.575 12.7 CMG
370.580 14.3 CMG
397.399 12.5 CMG
407.451 12.7 CMG
410.415 12.9 CMG
424.432 12.6 CMG
426.417 12.6 CMG
444.499 12.3 CMG
451.479 13.5 CMG

1647+05
RX OPH M
368.6 10.4 CMG
407.5 10.5 CMG
424.4 11.2 CMG
444.4 11.8 CMG
451.5 12.0 CMG

1647+15
S HER M
369.6 9.1 CMG
407.4 8.4 CMG
415.5 8.3 CMG
420.4 7.9 CMG
425.4 7.9 CMG
429.6 7.9 BVE
437.7 7.9 BVE
442.5 8.5 CMG
450.5 8.5 CMG

1652-02
SS OPH M
407.5 9.0 CMG
415.5 8.4 CMG
424.5 8.4 CMG
433.7 8.7 BVE
442.5 8.5 CMG
451.5 9.4 CMG

1656+31
RV HER M
369.6 9.9 CMG
385.4 10.5 CMG

402.4 12.0 CMG
420.4 13.5 CMG
425.4 13.7 CMG

1657+22
SY HER M
369.6 9.0 CMG
379.7 9.1 BVE
385.4 9.1 CMG
402.4 10.7 CMG
415.5 11.3 CMG
420.4 12.0 CMG
425.4 12.4 CMG
429.6 12.6 BVE
437.7 12.1 BVE

1657+52
WZ DRA M
370.4 13.1 CMG
402.4 12.3 CMG
420.4 11.5 CMG
425.4 11.7 CMG
444.5 11.7 CMG
450.5 11.7 CMG

1659-12
UX OPH M
370.6 11.3 CMG
407.5 9.8 CMG
425.5 11.0 CMG
444.5 12.3 CMG

1702+17
VY HER M
368.5 12.1 CMG
407.4 9.4 CMG
415.5 9.3 CMG
420.4 9.6 CMG
425.4 9.6 CMG
443.5 10.7 CMG
450.5 11.2 CMG

1702-15
R OPH M
369.6 12.4 CMG
407.5 11.9 CMG
425.5 11.4 CMG
433.7 10.6 BVE
444.5 10.3 CMG

1706+27A
RT HER M
369.6 15.6 CMG
424.4 14.7 CMG

1714+01
Z OPH M
369.6 8.5 CMG
407.5 8.5 CMG
415.5 8.3 CMG
420.5 8.4 CMG
425.4 8.2 CMG
433.7 8.4 BVE
442.5 8.8 CMG
451.5 8.8 CMG

1717+07
UZ OPH RVA
369.590 10.6 CMG
407.467 10.6 CMG
415.472 11.0 CMG
420.467 11.8 CMG
425.447 12.1 CMG
442.474 10.4 CMG
451.467 10.4 CMG

1717+23
RS HER M
369.6 9.1 CMG
379.7 8.6 BVE
385.4 8.2 CMG
402.4 8.0 CMG
415.5 8.2 CMG
425.4 8.4 CMG
429.6 8.7 BVE
437.7 8.9 BVE

442.5 9.4 CMG
450.5 10.0 CMG

1719+04A
V759 OPH SR
368.6 10.7 CMG
407.5 10.9 CMG
425.4 11.4 CMG
444.5 11.7 CMG
451.5 11.9 CMG

1726+18
UZ HER M
368.5 14.5 CMG
407.4 14.3 CMG
424.4 13.4 CMG
443.5 12.3 CMG
450.5 12.3 CMG

1728+09A
RU OPH M
369.6 9.7 CMG
407.5 13.6 CMG
424.5 14.0 CMG
444.4 14.0 CMG

1740+21
CF HER M
368.6 14.3 CMG
407.5 12.7 CMG
424.4 12.2 CMG
443.5 11.4 CMG
450.5 10.0 CMG

1744+22
SU HER M
368.5 12.7 CMG
407.4 13.5 CMG
424.4 14.1 CMG
447.5 14.4 CMG

1744-06
RS OPH NR
368.562 11.9 CMG
407.467 11.4 CMG
425.447 11.6 CMG
429.678 11.0 BVE
433.685 11.8 BVE
437.706 11.8 BVE
443.469 11.4 CMG
444.508 11.5 CMG
451.483 11.4 CMG

1751+03
SV OPH M
407.5 13.3 CMG
425.4 10.8 CMG

1751+11
RT OPH M
370.6 14.2 CMG
407.5 13.3 CMG
424.5 12.9 CMG
444.4 11.8 CMG
450.5 11.1 CMG

1754+23A
FU HER M
407.5 13.2 CMG
420.4 12.4 CMG
425.4 11.5 CMG
443.5 11.4 CMG
450.5 11.5 CMG

1754+58A
T DRA M
372.4 10.0 CMG
402.4 9.3 CMG
407.6 9.2 CMG
415.5 9.2 CMG
420.4 9.0 CMG
425.4 9.1 CMG
442.5 9.0 CMG
450.5 8.7 CMG

1755+19
RY HER M
369.6 12.7 CMG
379.7 13.6 BVE

407.4 14.2 CMG
 424.4 14.3 CMG
 429.6 13.9 BVE
 437.7 13.8 BVE
 443.5 13.5 CMG
 450.5 13.4 CMG

 1756+54
 V DRA M
 370.4 14.1 CMG
 407.5 14.4 CMG
 424.4 14.5 CMG
 447.5 14.3 CMG

 1757+18
 WZ HER M
 426.4 15.4 CMG

 1802+20A
 DE HER SRD
 407.5 11.5 CMG
 420.4 12.3 CMG
 425.4 12.1 CMG
 443.5 12.2 CMG
 450.5 12.1 CMG

 1802+20B
 DF HER M
 397.4 10.5 CMG
 407.5 10.8 CMG
 420.4 11.0 CMG
 425.4 11.1 CMG
 443.5 11.8 CMG
 450.5 11.9 CMG

 1802-22
 VX SGR SRC
 433.7 9.3 BVE

 1805+18
 XZ HER M
 407.5 12.6 CMG
 425.4 12.1 CMG
 450.5 12.3 CMG

 1805+31
 T HER M
 369.6 8.8 CMG
 402.4 8.3 CMG
 407.4 8.5 CMG
 415.5 8.8 CMG
 420.4 9.1 CMG
 425.4 9.5 CMG
 429.6 9.8 BVE
 437.7 10.9 BVE
 443.5 11.6 CMG
 450.5 12.1 CMG

 1805+65
 W DRA M
 370.4 13.0 CMG
 397.4 13.7 CMG
 402.4 13.8 CMG
 425.4 14.4 CMG

 1806+66
 X DRA M
 397.4 12.5 CMG
 402.4 12.0 CMG
 407.6 11.5 CMG
 415.5 11.7 CMG
 420.4 11.8 CMG
 425.4 12.1 CMG
 444.5 12.7 CMG
 450.5 13.0 CMG

 1810+20
 YY HER ZAND
 368.554 13.4 CMG
 397.416 13.4 CMG
 407.449 13.6 CMG
 424.429 13.5 CMG

 1810+31
 TV HER M
 368.5 14.4 CMG
 407.4 14.7 CMG

 1811+03

RY OPH M
 369.6 11.8 CMG
 407.5 8.5 CMG
 415.5 8.2 CMG
 420.5 8.4 CMG
 425.4 8.2 CMG
 433.7 9.3 BVE
 442.5 9.8 CMG
 450.5 10.3 CMG

 1811+36
 W LXR M
 369.6 8.0 CMG
 385.4 8.0 CMG
 402.4 8.0 CMG
 409.4 8.1 CMG
 415.5 8.6 CMG
 420.5 8.8 CMG
 425.5 9.1 CMG
 429.7 9.3 BVE
 437.7 10.4 BVE
 442.5 10.7 CMG
 450.4 11.1 CMG

 1813+06
 BC OPH M
 369.6 14.5 CMG
 424.5 12.9 CMG
 444.5 11.7 CMG

 1818+28
 AZ HER M
 368.6 15.0 CMG
 407.4 13.7 CMG
 424.5 14.1 CMG

 1820+39
 TW LXR M
 407.5 12.6 CMG
 420.5 12.4 CMG
 425.4 12.3 CMG

 1821+72
 RT DRA M
 367.3 11.2 CMG
 372.3 11.0 CMG
 385.4 10.9 CMG
 402.4 10.3 CMG
 407.6 10.1 CMG
 415.5 9.6 CMG
 420.4 9.5 CMG
 425.4 9.4 CMG
 442.5 10.2 CMG
 450.5 10.3 CMG

 1822+24
 SV HER M
 368.5 13.7 CMG
 407.4 14.4 CMG
 424.4 14.3 CMG

 1823+06
 T SER M
 369.6 11.3 CMG
 407.5 13.2 CMG
 424.5 13.8 CMG
 444.5 14.5 CMG

 1829+16
 DS HER M
 368.5 14.6 CMG

 1831+49A
 SV DRA M
 368.6 14.7 CMG
 397.4 13.5 CMG
 402.4 13.0 CMG
 415.5 13.0 CMG
 420.4 12.3 CMG
 425.4 11.7 CMG
 442.5 9.9 CMG
 450.5 9.6 CMG

 1832+25
 RZ HER M
 369.6 9.3 CMG
 407.4 10.8 CMG
 420.5 11.2 CMG
 425.4 11.4 CMG

443.5 12.1 CMG
 450.5 12.1 CMG

 1832+27
 CE LXR M
 368.6 14.3 CMG
 407.5 14.1 CMG
 447.4 13.7 CMG

 1833+08
 X OPH M
 369.6 8.0 CMG
 407.5 8.1 CMG
 420.5 7.5 CMG
 433.7 7.2 BVE
 442.5 6.8 CMG
 450.5 6.7 CMG

 1839+22
 AE HER M
 407.4 12.3 CMG
 425.4 13.4 CMG

 1841+34
 RY LXR M
 369.6 14.7 CMG
 407.5 13.8 CMG
 420.5 13.4 CMG
 425.5 13.1 CMG
 429.7 12.9 BVE
 437.7 12.6 BVE
 444.5 12.2 CMG
 451.5 12.0 CMG

 1842-05
 R SCT RVA
 369.634 5.7 CMG
 407.526 5.8 CMG
 425.503 6.5 CMG
 426.438 6.8 BMU
 426.439 7.0 VDE
 437.734 5.8 BVE
 444.476 6.0 CMG
 451.470 5.6 CMG

 1854-01
 VX AQL M
 369.6 11.3 CMG
 407.5 10.6 CMG
 425.5 10.4 CMG
 444.5 10.4 CMG
 451.5 10.5 CMG

 1856+34
 Z LXR M
 369.6 11.9 CMG
 402.4 10.9 CMG
 415.5 10.6 CMG
 420.5 10.6 CMG
 425.5 10.4 CMG
 442.5 10.8 CMG
 450.4 11.3 CMG

 1857+37
 RT LXR M
 407.5 13.2 CMG
 415.5 12.3 CMG
 420.5 11.7 CMG
 425.4 11.7 CMG
 442.5 10.6 CMG
 450.4 10.3 CMG

 1859+47
 WZ LXR M
 368.6 14.4 CMG
 407.5 14.0 CMG
 425.5 13.4 CMG

 1901+08
 R AQL M
 374.6 6.2 BMU
 407.5 7.6 CMG
 420.5 8.0 CMG
 426.4 8.5 CMG
 433.8 8.2 BVE
 442.5 9.3 CMG
 450.5 9.6 CMG

 1901+27

UU LXR M
 447.4 12.7 CMG

 1903+17
 SV SGE RCB
 368.568 11.7 CMG
 407.532 11.6 CMG
 420.476 11.6 CMG
 425.497 11.9 CMG
 444.490 11.7 CMG
 447.460 11.6 CMG
 450.517 11.6 CMG

 1903+33
 AB LXR M
 425.5 11.0 CMG
 447.4 11.1 CMG

 1905+27
 TY LXR M
 407.5 10.6 CMG
 415.5 10.3 CMG
 420.5 10.1 CMG
 425.5 10.0 CMG
 444.5 10.5 CMG
 451.5 10.6 CMG

 1905+29A
 V LXR M
 369.6 9.7 CMG
 402.4 11.0 CMG
 415.5 11.5 CMG
 420.5 11.7 CMG
 425.5 11.8 CMG
 442.5 12.3 CMG

 1906+27A
 UV LXR M
 425.5 13.5 CMG
 444.5 11.7 CMG
 451.5 10.8 CMG

 1908-18
 RX SGR M
 433.7 10.2 BVE

 1908-19A
 RW SGR SRA
 433.7 10.4 BVE

 1909+25
 S LXR M
 425.5 :15.5 CMG

 1909+33
 RS LXR M
 369.6 10.8 CMG
 402.4 11.9 CMG
 415.5 12.2 CMG
 425.4 12.7 CMG

 1909+41
 RU LXR M
 407.5 14.4 CMG
 424.5 13.7 CMG

 1909+67
 U DRA M
 367.3 10.4 CMG
 372.3 10.2 CMG
 385.4 9.7 CMG
 402.4 9.4 CMG
 407.6 9.7 CMG
 415.5 10.0 CMG
 420.4 10.1 CMG
 425.4 10.2 CMG
 442.5 11.1 CMG
 450.5 11.7 CMG

 1910+46
 SS LXR M
 368.6 14.4 CMG
 407.5 13.4 CMG
 425.5 13.7 CMG
 447.5 12.7 CMG
 451.5 12.7 CMG

 1910-07
 W AQL M

369.6 11.9 CMG
 407.5 12.4 CMG
 425.5 12.4 CMG
 444.5 12.9 CMG

 1910-17
 T SGR M
 433.8 12.0 BVE

 1910-19
 R SGR M
 433.7 8.7 BVE

 1910-33
 RY SGR RCB
 433.760 6.5 BVE
 437.708 6.6 BVE

 1911-24
 TY SGR M
 433.8 10.0 BVE

 1913+50
 TZ CYG LB
 418.4 11.2 GGU
 427.4 11.2 GGU

 1913-19
 S SGR M
 433.7 11.9 BVE

 1913-21
 Z SGR M
 433.8 9.0 BVE

 1915+17
 W SGE M
 444.5 13.8 CMG
 451.5 13.6 CMG

 1916+37
 U LXR M
 402.4 10.9 CMG
 407.5 11.0 CMG
 420.5 11.0 CMG
 425.5 11.1 CMG
 447.5 11.0 CMG
 451.5 11.0 CMG

 1918+31
 AN LXR M
 407.5 10.1 CMG
 415.5 9.7 CMG
 420.5 9.8 CMG
 425.4 10.0 CMG
 447.4 11.5 CMG

 1919+28
 DW CYG M
 370.6 11.8 CMG
 407.5 11.7 CMG
 420.5 12.3 CMG
 425.5 12.4 CMG
 447.4 12.9 CMG

 1921+50
 CH CYG ZAND
 369.611 8.2 CMG
 402.428 8.5 CMG
 409.386 8.5 CMG
 418.422 8.6 GGU
 420.446 8.6 CMG
 425.450 8.7 CMG
 427.442 8.7 GGU
 437.740 8.9 BVE
 442.469 9.1 CMG
 450.451 9.0 CMG

 1922+01
 TU AQL M
 415.5 9.1 CMG
 424.5 9.0 CMG
 442.5 8.9 CMG
 450.5 9.0 CMG

 1923+33
 FL CYG M
 369.6 11.5 CMG
 407.5 11.4 CMG

420.5 11.6 CMG
 425.4 12.1 CMG
 444.5 13.9 CMG

 1927+34
 DD CYG M
 369.6 10.8 CMG
 407.5 10.3 CMG
 415.5 10.5 CMG
 420.5 10.5 CMG
 425.4 10.7 CMG
 444.4 11.5 CMG
 450.5 11.6 CMG

 1927-00
 ES AQL RCB
 447.479 11.8 CMG

 1929+28
 TY CYG M
 370.6 14.7 CMG
 425.4 13.1 CMG
 437.7 12.3 BVE
 450.5 11.8 CMG

 1933+11
 RT AQL M
 369.6 13.3 CMG
 407.5 13.9 CMG
 426.4 13.1 CMG
 442.5 11.0 CMG
 450.5 10.3 CMG

 1934+28
 BG CYG M
 369.6 10.5 CMG
 407.5 10.2 CMG
 415.5 10.0 CMG
 420.5 10.1 CMG
 425.4 10.1 CMG
 443.5 10.6 CMG
 450.4 10.9 CMG

 1934+30
 EM CYG UGZ
 369.637 13.9 CMG
 370.576 13.8 CMG
 407.494 13.8 CMG
 420.499 12.9 CMG
 425.510 13.7 CMG
 444.511 13.6 CMG
 451.480 12.5 CMG

 1934+49
 R CYG M
 369.6 10.8 CMG
 402.4 12.0 CMG
 407.5 12.4 CMG
 415.5 12.5 CMG
 418.4 12.6 GGU
 420.4 12.5 CMG
 425.4 12.5 CMG
 427.4 12.6 GGU
 437.7 13.0 BVE
 444.5 13.0 CMG
 451.5 13.3 CMG

 1935+09
 RV AQL M
 407.5 12.4 CMG
 420.5 11.5 CMG
 425.5 11.0 CMG
 444.5 9.4 CMG
 450.5 9.0 CMG

 1939+54
 V369 CYG M
 369.6 10.7 CMG
 402.4 12.3 CMG
 407.5 12.8 CMG
 415.5 13.7 CMG
 420.4 13.5 CMG
 426.4 13.7 CMG
 444.4 11.4 CMG
 450.4 11.1 CMG

 1940+48
 RT CYG M
 402.4 8.1 CMG

407.5 8.0 CMG
 415.5 8.0 CMG
 418.4 8.1 GGU
 420.4 8.4 CMG
 425.4 8.5 CMG
 427.4 8.6 GGU
 437.7 8.9 BVE
 443.5 9.3 CMG
 450.5 9.6 CMG

 1940+67
 ZZ DRA M
 370.4 14.3 CMG
 397.4 14.6 CMG
 425.4 14.5 CMG

 1941+31C
 FY CYG SRB
 370.6 13.3 CMG
 407.5 13.3 CMG
 425.4 13.3 CMG
 451.5 13.2 CMG

 1942+19
 RZ VUL *
 426.4 12.7 CMG
 444.5 12.4 CMG
 451.5 12.4 CMG

 1943+48
 TU CYG M
 370.6 14.2 CMG
 407.5 11.6 CMG
 415.5 11.3 CMG
 420.4 11.0 CMG
 425.4 10.9 CMG
 427.4 10.6 GGU
 437.7 9.7 BVE
 443.5 9.6 CMG
 450.5 9.8 CMG

 1946+04
 X AQL M
 426.5 12.8 CMG
 433.8 13.3 BVE
 444.5 12.4 CMG

 1946+32
 ch1 CYG M
 369.6 6.2 CMG
 402.5 7.3 CMG
 407.4 7.7 BMU
 407.5 7.7 CMG
 415.5 8.0 CMG
 420.5 8.2 CMG
 425.4 8.5 CMG
 437.7 9.1 BVE
 443.5 9.6 CMG
 450.4 9.7 CMG

 1949-29
 RR SGR M
 433.8 10.2 BVE

 1950+55
 CU CYG M
 369.6 12.5 CMG
 407.5 14.0 CMG
 426.4 13.9 CMG
 451.5 13.5 CMG

 1952-02
 RR AQL M
 426.5 11.7 CMG
 444.5 11.0 CMG

 1953+77
 AB DRA UGZ
 367.375 12.6 CMG
 369.636 12.9 CMG
 370.352 13.5 CMG
 397.410 13.1 CMG
 407.471 14.3 CMG
 425.489 12.9 CMG
 426.466 14.1 CMG
 444.463 13.7 CMG
 453.471 13.4 CMG

 1955+33

V482 CYG RCB
 370.584 11.1 CMG
 407.406 11.0 BMU
 407.407 11.4 VDE
 407.492 11.1 CMG
 426.424 11.1 CMG
 451.475 11.1 CMG

 1955+51
 CM CYG M
 369.6 14.2 CMG
 407.5 14.8 CMG
 426.4 13.2 CMG
 443.5 12.1 CMG
 451.5 11.1 CMG

 1956+35
 KM CYG M
 447.4 11.6 CMG
 453.5 11.7 CMG

 1957+50
 BT CYG M
 427.4 13.5 GGU

 1958+49
 Z CYG M
 369.6 12.3 CMG
 407.5 13.0 CMG
 420.4 13.4 CMG
 425.4 13.3 CMG
 427.4 13.1 GGU
 437.8 13.2 BVE
 444.4 13.5 CMG
 451.5 13.6 CMG

 2002+12
 SY AQL M
 407.5 13.3 CMG
 425.5 13.4 CMG
 444.5 13.9 CMG

 2002+50
 BU CYG M
 370.6 10.5 CMG
 402.4 12.4 CMG
 425.4 14.0 CMG

 2003+57
 S CYG M
 451.5 13.7 CMG

 2007+06
 TV AQL M
 426.4 13.5 CMG
 444.5 13.7 CMG

 2007+15A
 S AQL SRA
 407.5 10.4 CMG
 425.5 11.0 CMG
 442.5 11.4 CMG
 450.5 11.6 CMG

 2007+20A
 ST SGE M
 369.6 10.9 CMG
 407.5 10.5 CMG
 415.5 10.9 CMG
 420.5 10.9 CMG
 425.5 10.9 CMG
 443.5 12.0 CMG
 450.5 12.3 CMG

 2008+12
 RU AQL M
 407.5 11.0 CMG
 420.5 11.7 CMG
 425.5 11.7 CMG
 444.5 12.4 CMG

 2009+16
 R SGE RVB
 407.532 9.2 CMG
 444.491 9.0 CMG

 2009-06
 Z AQL M
 427.5 11.5 CMG

444.5 10.1 CMG

 2010+08
 R DEL M
 407.5 10.1 CMG
 425.5 10.4 CMG
 444.5 11.5 CMG
 450.5 11.6 CMG

 2011+30
 SX CYG M
 369.6 10.5 CMG
 404.5 12.0 CMG
 415.5 12.4 CMG
 420.5 12.5 CMG
 425.4 12.6 CMG
 444.4 13.1 CMG

 2012+09
 RU DEL M
 426.5 11.8 CMG
 444.5 11.1 CMG

 2013+76
 SZ CEP M
 370.4 14.5 CMG
 407.5 13.2 CMG
 420.5 12.2 CMG
 425.5 12.0 CMG
 443.5 11.2 CMG
 450.5 10.3 CMG

 2014+34
 AU CYG M
 369.6 12.4 CMG

 2014+37B
 WX CYG M
 369.6 10.4 CMG
 402.4 10.8 CMG
 415.5 11.1 CMG
 420.5 10.9 CMG
 425.4 11.1 CMG
 443.5 11.8 CMG
 450.5 11.9 CMG

 2015+20
 V SGE NL+E
 369.602 12.5 CMG
 415.499 10.4 CMG
 420.476 10.5 CMG
 424.432 10.6 CMG
 425.501 10.7 CMG
 426.449 10.8 CMG
 443.460 10.4 CMG
 444.490 10.7 CMG
 447.455 10.9 CMG
 450.517 10.6 CMG
 451.496 10.8 CMG
 453.472 10.9 CMG

 2015+59
 CN CYG M
 369.6 10.2 CMG
 402.4 12.5 CMG
 407.5 12.7 CMG
 415.5 12.8 CMG
 420.5 13.5 CMG
 425.4 13.8 CMG
 443.5 14.2 CMG
 451.5 14.4 CMG

 2016+21
 PU VUL NC
 424.438 11.7 CMG
 447.455 11.6 CMG

 2016+47
 U CYG M
 369.6 10.0 CMG
 402.4 9.2 CMG
 409.4 9.1 CMG
 415.5 8.7 CMG
 420.4 8.2 CMG
 425.4 8.0 CMG
 427.5 7.9 GGU
 437.8 8.0 BVE
 442.5 8.0 CMG
 450.4 7.9 CMG

2028+17
 Z DEL M
 407.5 8.8 CMG
 425.5 9.3 CMG
 437.8 10.1 BVE
 444.5 10.1 CMG
 450.5 10.6 CMG

 2029+54
 ST CYG M
 369.6 13.9 CMG
 397.4 12.6 CMG
 402.4 12.1 CMG
 407.5 12.0 CMG
 415.5 11.6 CMG
 420.5 11.2 CMG
 425.4 11.0 CMG
 443.5 11.2 CMG
 450.5 11.2 CMG

 2029+62
 BF CEP M
 367.3 11.1 CMG
 372.4 12.0 CMG
 407.5 12.8 CMG
 425.5 13.5 CMG

 2033+26
 BD VUL M
 369.6 11.7 CMG
 420.5 11.1 CMG
 426.5 11.4 CMG
 447.5 11.2 CMG

 2035+13
 SS DEL M
 444.5 11.5 CMG
 450.5 11.8 CMG

 2035+37A
 FF CYG M
 369.6 12.5 CMG
 407.5 13.7 CMG
 420.5 14.0 CMG

 2038+16
 S DEL M
 407.5 9.4 CMG
 420.5 9.2 CMG
 425.5 9.1 CMG
 444.5 9.2 CMG
 450.5 9.5 CMG

 2038+47
 V CYG M
 369.6 9.5 CMG
 402.4 9.5 CMG
 409.4 9.5 CMG
 415.5 9.7 CMG
 420.4 9.7 CMG
 425.4 9.6 CMG
 427.5 10.1 GGU
 437.8 9.5 BVE
 442.5 10.0 CMG
 450.4 9.9 CMG

 2039+37
 DR CYG M
 370.6 14.0 CMG
 407.5 14.6 CMG
 426.4 14.7 CMG

 2048+46
 RZ CYG SRA
 369.6 13.7 CMG
 407.5 13.6 CMG
 426.4 11.7 CMG
 443.5 10.7 CMG
 450.5 10.1 CMG

 2050+30A
 UX CYG M
 369.6 9.6 CMG
 407.5 10.1 CMG
 425.4 11.0 CMG
 443.5 11.5 CMG
 450.5 11.6 CMG

2055+47
DH CYG M
369.6 10.8 CMG
407.5 11.3 CMG
426.4 11.5 CMG
444.4 12.1 CMG
451.5 12.3 CMG

2059+23A
R VUL M
369.6 13.2 CMG
407.5 9.3 CMG
425.5 8.4 CMG
437.8 9.2 BVE
443.5 9.4 CMG
450.5 9.3 CMG

2101+29
TW CYG M
370.6 13.9 CMG
407.5 14.5 CMG
426.4 14.4 CMG

2103+82
X CEP M
370.4 14.0 CMG
397.4 13.9 CMG
410.4 13.7 CMG
425.5 13.6 CMG
444.5 11.5 CMG

2104+15
TZ PEG M
407.6 11.6 CMG
425.5 10.6 CMG
444.5 9.9 CMG
451.5 9.5 CMG

2105+58
UY CEP M
426.4 12.2 CMG
447.5 11.5 CMG

2108+12
R EQU M
444.5 14.6 CMG

2108+36
DU CYG M
369.6 11.4 CMG
407.5 11.5 CMG
425.5 11.5 CMG
444.4 11.5 CMG
450.5 11.6 CMG

2108+68
T CEP M
367.3 8.7 CMG
372.4 8.6 CMG
385.4 8.2 CMG
402.4 8.1 CMG
407.6 8.0 CMG
415.5 7.6 CMG
420.4 7.7 CMG
425.5 8.0 CMG
427.4 8.5 GGU
443.5 7.9 CMG
450.5 7.9 CMG

2116+14
X PEG M
427.5 11.6 CMG
449.1 10.8 CMG
451.5 10.8 CMG

2122+16
TV PEG M
449.1 10.6 CMG
451.5 10.8 CMG

2125+69
AX CEP M
367.3 13.1 CMG
372.4 13.1 CMG
402.4 13.1 CMG
420.5 13.0 CMG
425.5 13.0 CMG
447.5 12.3 CMG

450.5 12.9 CMG

2130+38
V1426 CYG M
369.6 10.4 CMG
407.5 10.9 CMG
425.5 11.2 CMG
444.4 11.5 CMG

2136+78
S CEP M
367.3 9.5 CMG
368.4 9.5 GGU
372.4 9.4 CMG
372.4 9.4 CMG
378.4 9.4 GGU
385.4 9.4 CMG
402.4 9.5 CMG
410.4 9.5 CMG
415.5 9.4 CMG
418.4 9.2 GGU
420.4 9.5 CMG
425.5 9.4 CMG
427.4 9.4 GGU
443.5 9.2 CMG
450.5 9.0 CMG

2138+43
SS CYG UGSS
368.568 11.9 CMG
369.617 11.8 CMG
370.560 12.0 CMG
407.403 9.5 BMU
407.404 9.7 VDE
407.501 10.0 CMG
415.495 12.1 CMG
420.460 12.1 CMG
424.429 12.1 CMG
425.422 12.2 CMG
426.412 12.4 CMG
427.466 12.0 GGU
427.540 12.4 CMG
437.756 12.1 BVE
442.494 12.4 CMG
443.483 11.0 CMG
444.440 8.6 CMG
447.437 8.4 CMG
450.437 8.3 CMG
451.454 8.5 CMG
453.465 8.6 CMG

2140+24
RR PEG M
425.5 10.8 CMG
444.5 9.9 CMG
451.5 9.9 CMG

2141+46
BN CYG M
407.5 13.4 CMG
426.4 12.2 CMG
444.4 11.0 CMG
450.5 11.2 CMG

2143+73
PQ CEP M
367.3 10.8 CMG
372.4 10.8 CMG
402.4 10.8 CMG
410.4 10.7 CMG
415.5 10.5 CMG
420.4 10.4 CMG
425.5 10.4 CMG
443.5 10.3 CMG
450.5 10.2 CMG

2144+43
WY CYG M
369.6 11.6 CMG
407.5 10.2 CMG
415.5 10.1 CMG
420.5 10.1 CMG
425.4 10.1 CMG
443.5 10.7 CMG
450.5 11.0 CMG

2152+47A
LX CYG M
368.6 13.1 CMG

407.5 13.4 CMG
426.4 13.6 CMG
447.4 13.5 CMG

2156+05
V PEG M
444.5 9.2 CMG

2159+34
RT PEG M
407.6 13.7 CMG
425.5 12.8 CMG
451.5 11.0 CMG

2201+33B
RZ PEG M
407.6 12.5 CMG
425.5 12.4 CMG
444.5 12.4 CMG
451.5 12.6 CMG

2203+37
W LAC M
444.5 13.3 CMG

2207+14
RS PEG M
427.5 13.0 CMG
449.1 13.3 CMG
451.5 13.4 CMG

2207+54
AB CEP M
425.5 13.0 CMG

2209+12
RU PEG
UGSS+ZZ;
427.551 12.5 CMG
447.479 11.8 CMG
451.490 12.5 CMG

2219+55B
SU LAC M
426.5 12.3 CMG
444.5 11.7 CMG

2224+39
S LAC M
407.6 9.3 CMG
420.5 8.5 CMG
425.5 8.2 CMG
444.5 8.3 CMG
450.5 8.3 CMG

2229+24
SS PEG M
444.5 12.4 CMG

2238+41
R LAC M
407.6 9.8 CMG
420.5 10.0 CMG
425.5 10.3 CMG
444.5 11.4 CMG
450.5 11.5 CMG

2258+59
UV CAS RCB
426.5 11.1 CMG

2259+14
RW PEG M
444.5 13.2 CMG

2307+59
V CAS M
407.5 8.8 CMG
425.5 10.1 CMG
443.5 11.2 CMG
450.5 11.5 CMG

2314+25
W PEG M
427.5 8.9 CMG
444.5 9.3 CMG
451.5 9.4 CMG

2318+39

BU AND M
447.5 10.8 CMG
451.5 10.7 CMG

2318+78
RY CEP M
367.3 11.9 CMG
368.4 11.3 GGU
372.4 12.0 CMG
378.4 11.5 GGU
386.4 12.3 CMG
402.4 12.8 CMG
407.6 12.9 CMG
418.4 13.3 GGU
420.4 12.4 CMG
425.4 12.1 CMG
427.4 11.9 GGU
443.5 11.2 CMG
450.5 11.1 CMG

2328+48
Z AND ZAND
425.515 10.3 CMG
444.501 10.4 CMG
451.482 10.4 CMG

2334+51
SV CAS SRA
426.5 9.3 CMG
444.5 9.3 CMG

2339+56
Z CAS M
369.6 10.7 CMG
407.5 10.3 CMG
415.5 10.4 CMG
420.5 10.6 CMG
425.5 10.8 CMG
444.5 11.3 CMG
450.5 11.3 CMG

2349+56
rho CAS SRD
407.5 4.8 CMG
426.5 4.9 CMG

2350+53
RR CAS M
369.6 12.0 CMG
407.5 11.9 CMG
420.5 11.7 CMG
425.5 11.7 CMG
444.5 11.4 CMG
450.5 11.3 CMG

2352+55
WY CAS M
369.6 11.5 CMG
442.5 8.8 CMG

2353+50
R CAS M
369.6 9.3 CMG
407.6 10.2 CMG
415.5 10.4 CMG
420.5 10.6 CMG
425.5 10.5 CMG
444.5 11.1 CMG
450.5 11.2 CMG

2355+25
Z PEG M
444.5 11.9 CMG
451.5 12.2 CMG

2358+55A
Y CAS M
368.3 10.6 GGU
369.6 10.7 CMG
372.3 10.4 GGU
407.5 11.2 CMG
420.5 11.8 CMG
444.5 11.8 CMG
450.5 11.9 CMG