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Variabilia verschijnt in principe 4x per jaar.

Contributie : f17.50 per jaar te voldoen op Postbanknummer 489829 tgv

Penningmeester Werkgroep Veranderlijke Sterren, Postbus 800, 9700 AV Groningen.

Variabilia nr.63

November 2000

WAARNEMER	CODE	JUL	AUG	SEP	TOTAAL
Reinder Bouma	BMU	43	405	342	790
Erwin van Ballegoij	BVE	148	188	309	645
Georg Comello	CMG	524	886	877	2287
Guus Gilein	GGU	5	103	50	158
Edwin van Dijk	VDE	34			34
		754	1582	1578	3914

REDACTIONEEL

Voor U ligt het laatste nummer van het jaar 2000. Het was de afgelopen maanden vrij rustig op veranderlijke sterrengebied. De voorbije maanden brachten redelijk goed weer; alleen Juli was een zeer slechte maand voor de waarnemers met weinig bruikbare nachten.

Z And werd in October plotseling bijna 2 magnituden helderder, een vrij zeldzame gebeurtenis. Daarvoor was het jarenlang een wat saaie ster. U Gem had een maximum, dat weinig werd waargenomen omdat U aan de ochtendhemel stond.

Mira had in October een vrij gemiddeld maximum van ongeveer 3.5, U kunt deze ster de komende maanden met het blote oog nog goed volgen. V1494 Aql (Nova Aql 1999-2) zakte heel geleidelijk verder af naar magnitude 11.6. De uitbarsting van SS Cyg in midden September werd door amateurs zeer grondig waargenomen, hetgeen belangrijk was in verband met de EUVE-waarnemingen. Zie hiervoor het volgende artikel van Janet Mattei van de AAVSO. Eens te meer blijkt, dat samenwerking tussen amateurs en beroepsastronomen belangrijk is en zeer succesvol kan zijn.

Mededelingen.

In het vorige nummer is een foutje geslopen. Het internetadres voor kaartjes van o.a. CI en V1494 Aql is <http://www.shopplaza.nl/astro/>

Verder wordt er op dit moment hard gewerkt aan een nieuwe versie van de waarnemingsinstructie. Een elektronische versie zal binnenkort (ongeveer vanaf midden November) te zien zijn op bovenvermeld internetadres. U kunt hier dan ook de laatste versie van het invoerprogramma ophalen. Het is de bedoeling dat de Werkgroep in de loop van volgend jaar een eigen homepage start. Wij houden u hiervan op de hoogte.

Amateur and Professional Astronomers Team Up for Chandra Observations of SS Cygni

September 14, 2000- Triggered by alerts from amateur astronomers worldwide NASA's Chandra X-Ray Observatory is observing the outburst of the brightest northern dwarf nova SS Cygni. The amateur stargazers provided Chandra scientists with a crucial early-warning of this outburst by calling-in their visual observations of SS Cygni as soon as they saw the star brightening. With the cooperation of hundreds of amateur astronomers, the Chandra observatory is monitoring SS Cygni's X-ray emission during its maximum brightness.

The amateur's observations of this star are done with backyard optical telescopes. The data they provide about the star's optical brightening, combined with the X-ray spectra gathered by the Chandra satellite, will reveal the nature of the flow of gas from a small red star onto its shrunken, dying companion.

Dr. Janet A. Mattei, Director of the American Association of Variable Star Observers (AAVSO)--a non-profit organization made up of mostly amateur astronomers -- and her technical staff are coordinating the collection of optical observations of SS Cygni and communicating them to Dr. Christopher Mauche at Lawrence Livermore National Observatory, CA who is the Principal Investigator of Chandra observations.

"For years, amateur astronomers have informed professionals of bursting star systems and other cosmic events" said Mattei. "The cooperation between an organized group of dedicated amateur astronomers, and the professional astronomers who need these observations, is now quite finely tuned. When scientists are in need of ground-based observations to follow simultaneous satellite observations, they know that this worldwide network of amateurs can be depended upon for fast, efficient, and reliable results."

The dwarf nova, SS Cygni, is a type of star known as a cataclysmic variable. SS Cygni is a close binary star system in the constellation of Cygnus (The Swan) that contains a red dwarf star and a white dwarf. A red dwarf is a star a little cooler and smaller than the Sun. The white dwarf was once as large as the Sun but subsequently ran out of fuel, blew its outer shell into space, and collapsed to form a white-hot ember, the size of Earth. The dense white dwarf, with its strong gravitational potential, pulls a stream of gas off of its companion star. This transferred gas collects in a disk, called an accretion disk, around the white dwarf.

The dramatic brightening by many orders of magnitude in this system is the result of an instability in the disk, which forces the disk material to drain down onto the surface of the white dwarf. This causes a titanic energy release equivalent to that of billions of atomic bombs exploding every second. Such stellar explosions, which often occur without warning and rarely last more than one or two weeks, serve as floodlights that brighten a dim star system for scientists to study. Figure 1 is a light curve (graph of light variation) showing the behavior of SS Cyg from January 2000 to-date.

Each dot represents one optical observation.

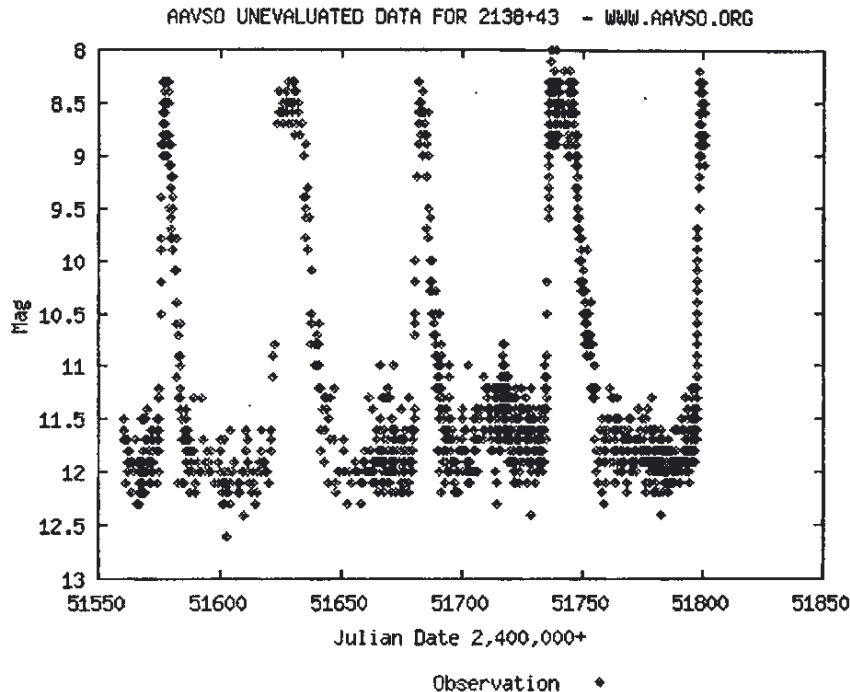


Figure 1. Light curve of SS CYG comprised of all observations received from Jan 15 - Sep 13.

The start of the SS Cygni outburst was discovered in its very early stage over the weekend by tens of amateur astronomers who have been keeping a vigil to catch the outburst. It was then confirmed by other amateurs, many of whom are members of the AAVSO. They e-mailed or phoned-in their observations to the AAVSO. Dr. Mattei communicated this information to Dr. Mauche and advised him to submit the request to start the X-ray observations. Within hours of Dr. Mauche's request on a Sunday, he was speaking with Dr. Fred Seward and Dr. Pat Slane of the Chandra team on the specifics of the requested observations. Thanks to their and other Chandra team's efforts, Chandra observations began on Sept. 12.7 UT and will continue until Sept. 14.5.

Dr. Mauche also spoke with Marty Eckert, the EUVE Science Planner, on Sunday to arrange for simultaneous observations of SS Cygni with NASA's EUVE satellite. EUVE measures the brightness and spectra in the extreme ultraviolet, providing unique information about the very short (10 sec) quasi-period oscillations that appear only during outburst in SS Cygni.

This is a wonderful collaboration of amateur and professional astronomers and NASA's pioneering satellites.

For more information, refer to the AAVSO website at <http://www.aavso.org>

Contact: Janet A. Mattei, AAVSO, jmattei@aavso.org

De Henk Feijth-kijker

De Werkgroep is in het bezit van een 25-cm Jones-Bird reflector, die uit de nalatenschap van Henk Feijth is verkregen. Deze kijker wordt door de Werkgroep uitgeleend aan een amateur, die veranderlijke sterren wil (gaan) waarnemen.

Een aanvraag om deze kijker voor het jaar 2001 te kunnen lenen, dient voor 1 December 2000 schriftelijk aan de secretaris te worden gericht. Het bestuur beslist over de toewijzing van de kijker. De uitleentermijn is in principe voor 1 jaar, maar kan eventueel worden verlengd.

G.Comello (secretaris)

Contributie 2001

In deze Variabilia 63 treft U een acceptgirokaart aan. Wij verzoeken U hiermede de contributie ad f17.50 voor het jaar 2001 te voldoen. Een eventueel hoger bedrag wordt evenwel niet geweigerd! Ondanks de stijgende kosten kunnen we nog steeds met dit wel heel lage bedrag volstaan. Tijdig overmaken ervan wordt daarom door onze penningmeester zeer gewaardeerd.

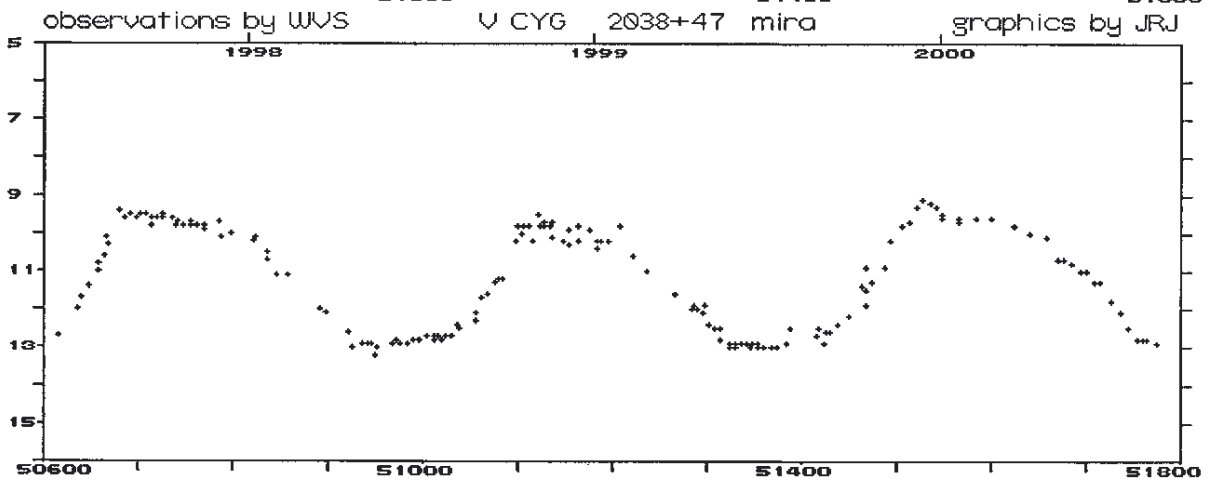
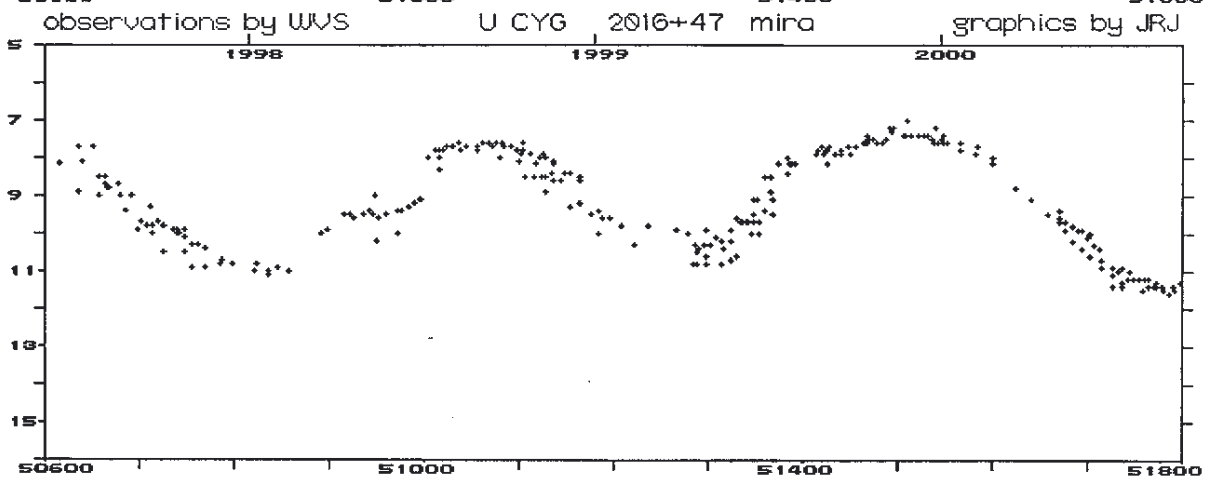
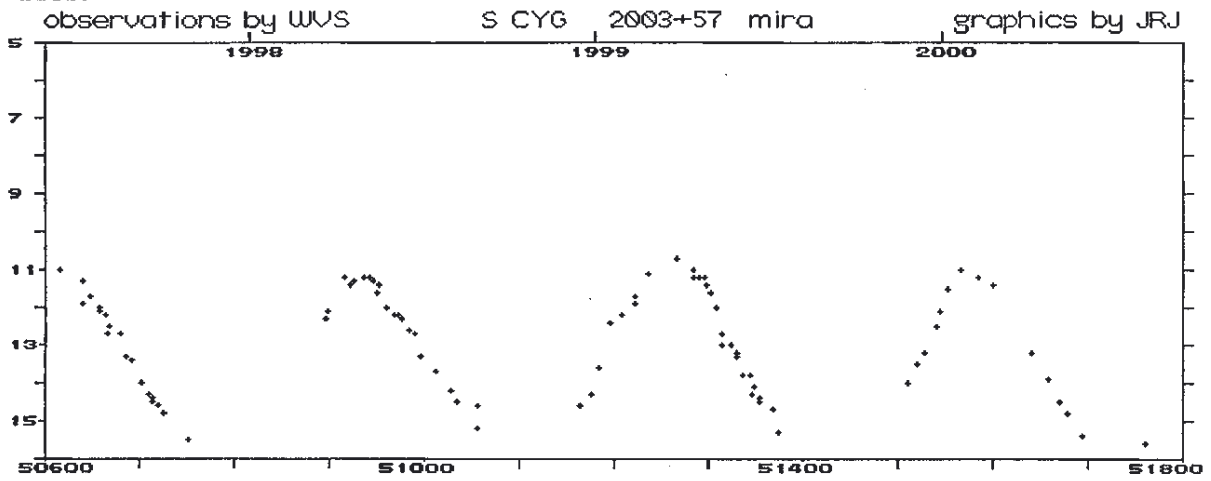
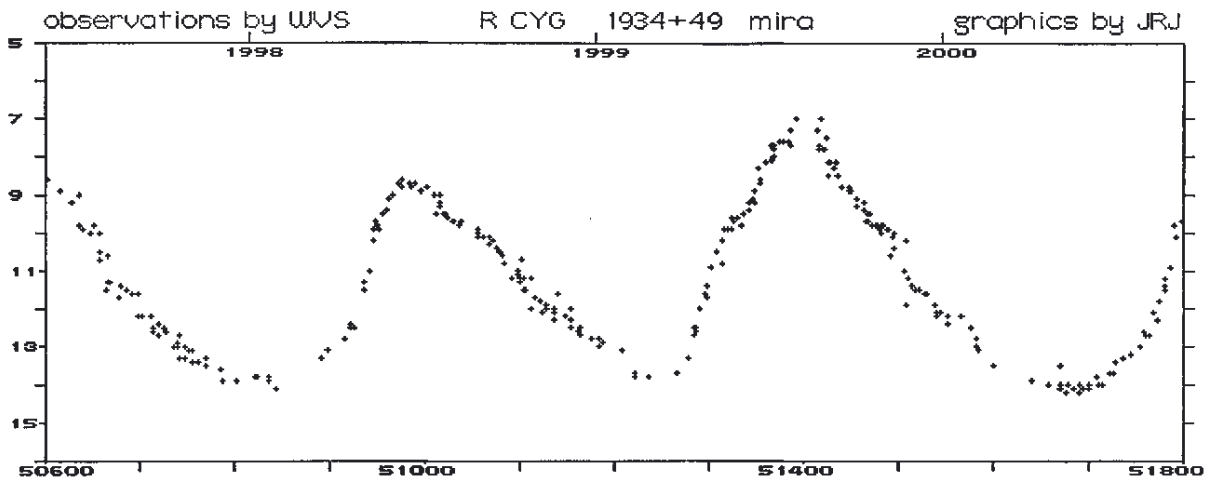
G.Comello (secretaris)

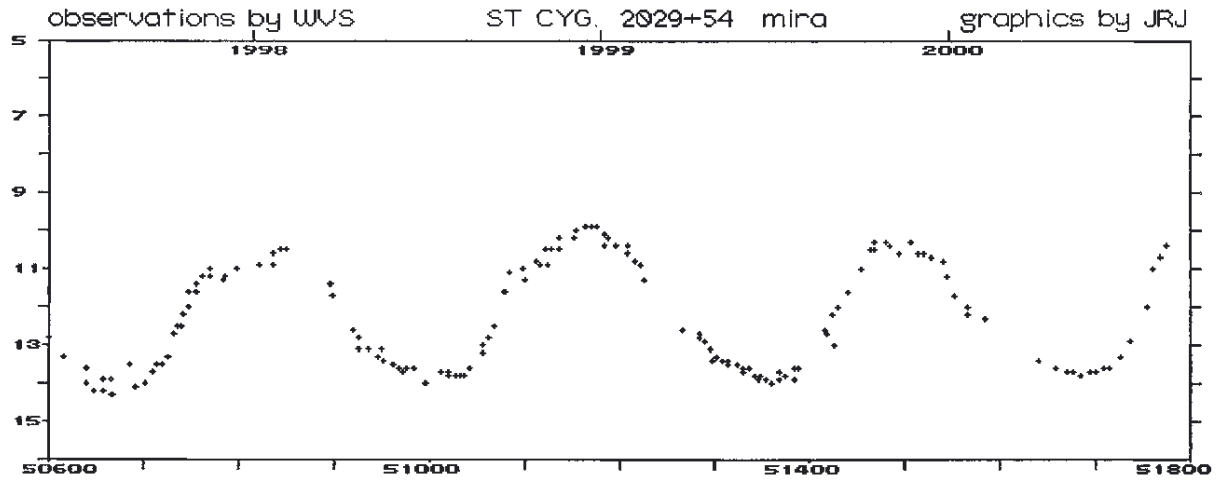
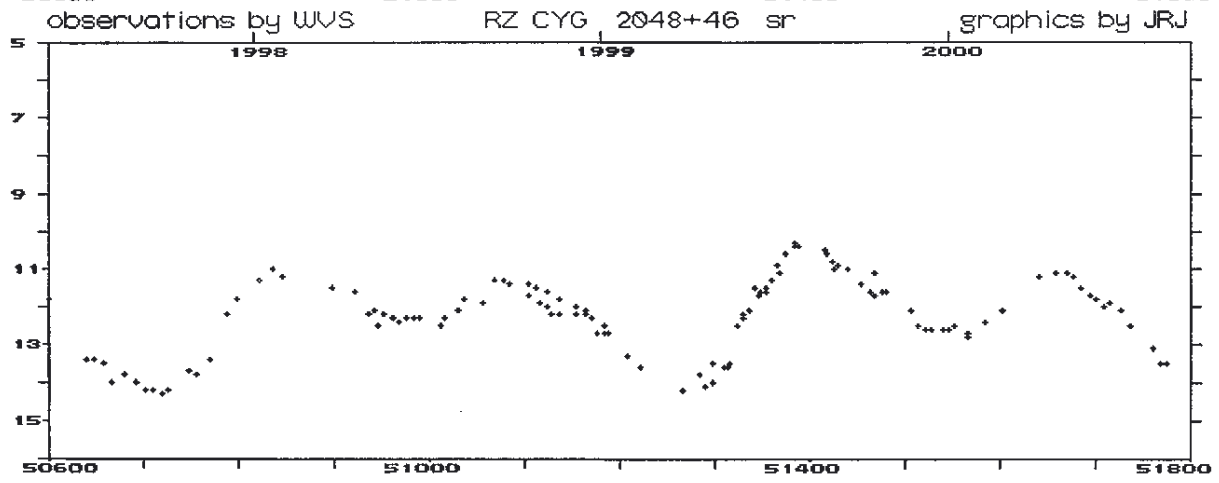
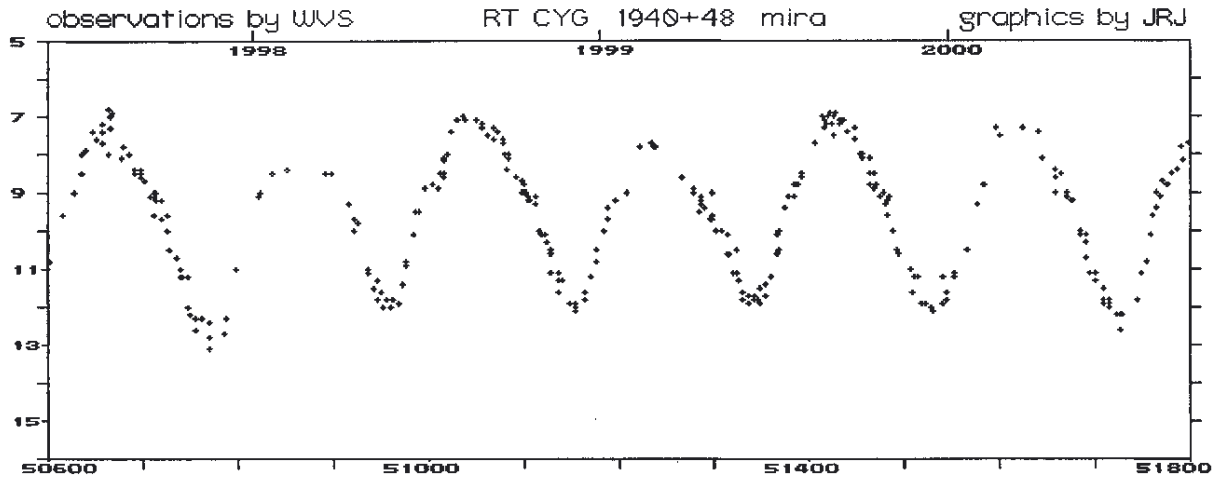
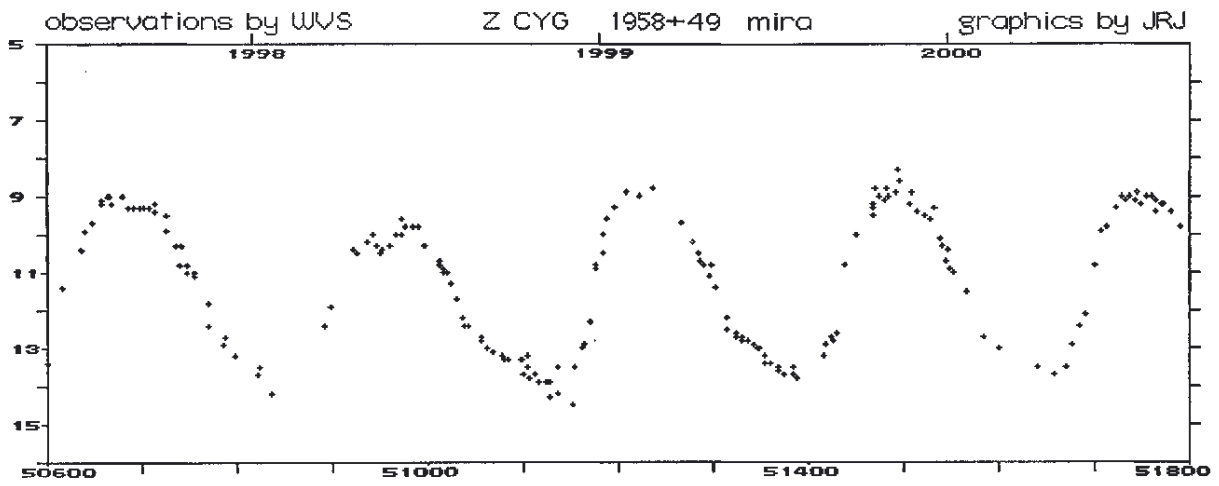
Ledenlijst Werkgroep Veranderlijke Sterren per 1-11-2000

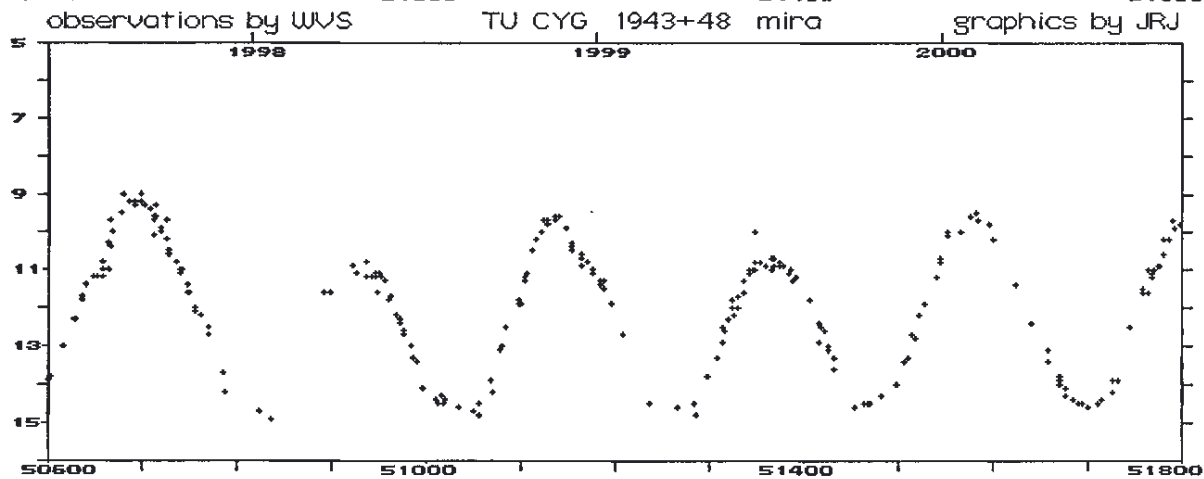
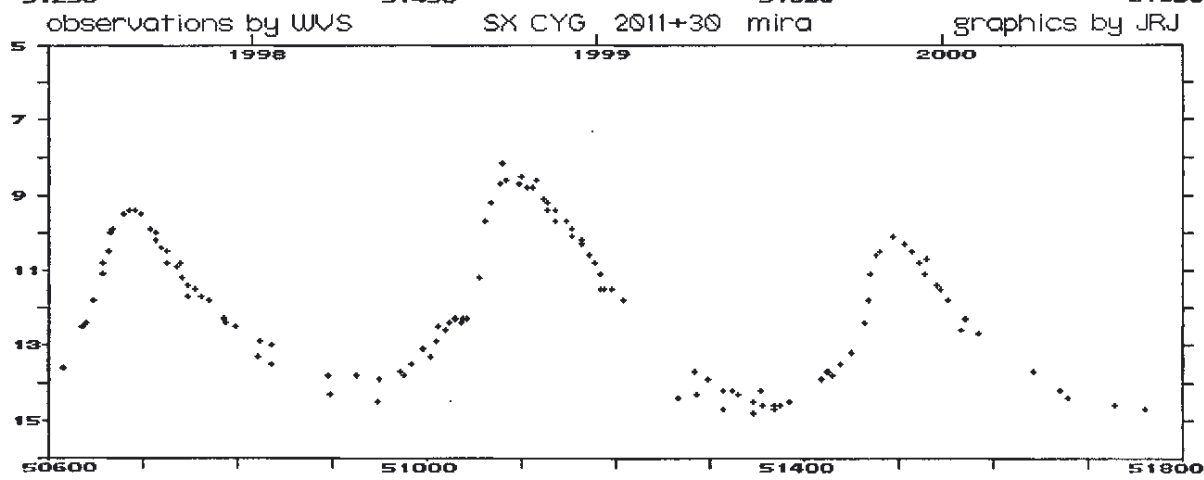
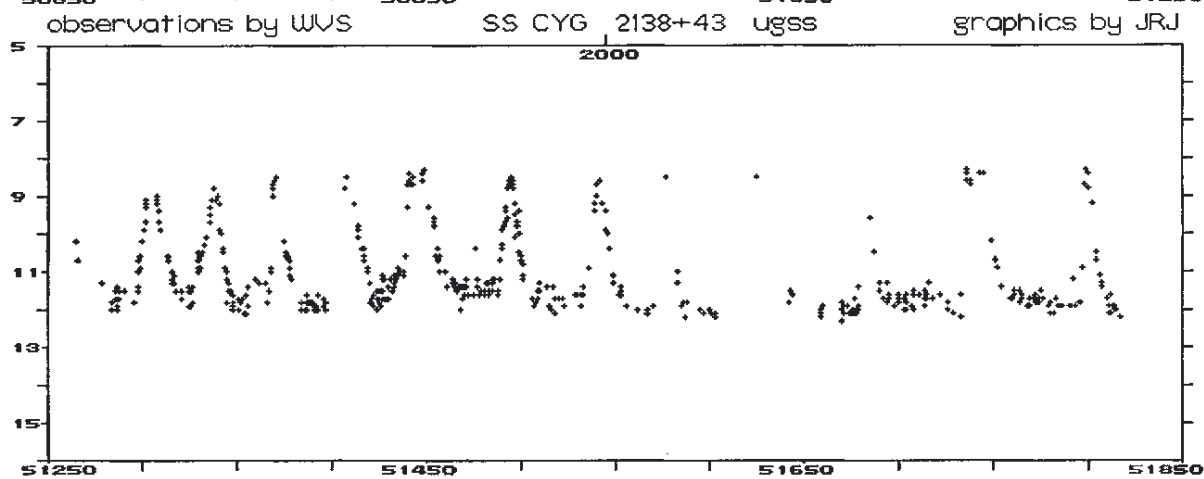
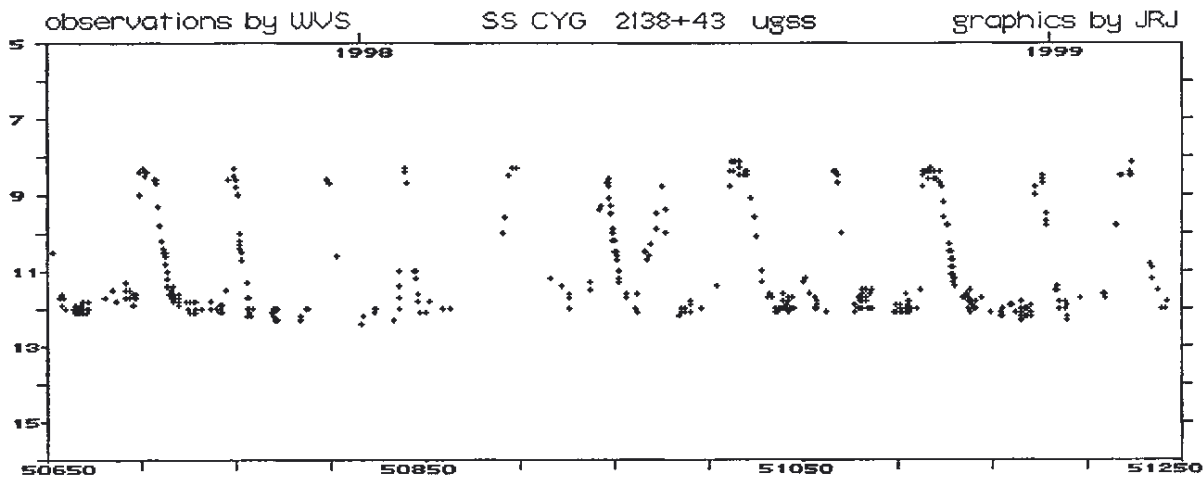
Naam	Adres	Postcode/Woonplaats	AAVSO
E. van Ballegoy	Tarabanaweg 9	Oranjestad, Aruba	BVE
R.J.Bouma	Bekemaheerd 77	9737 PR Groningen	BMU
H.J.Brill	Bur. F.A. Cortenplein 28	6118 GA Nieuwstadt	
E.P.Bus	1e Spoorstraat 16	9718 PB Groningen	
G.Comello	Kapteyn Instituut Postbus 800	9700 AV Groningen	CMG /secr
E.van Dijk	Valreep 89	9732 EJ Groningen	VDE
M.Frissen	Gotenstraat 6	6135 HL Sittard	
W.J.T.van Gemert	Het Oelbred 5	9472 WK Zuidlaren	
G.Gilein	D.Nooteboomstraat 39	2202 RN Noordwijk	GGU
J.Holtrop	J.P. van Dijkstraat 1	8805 TP Hitzum	HJO
G.Hoogeveen	Bottelaarspassage 43	1315 EP Almere	
J.Jansen	Kruiszwijn 1174	1788 LD Julianadorp	
C.F.Johannink	Schiefestrasze 36	48599 Gronau (D)	JCH
R.J.Johanns	Zwolsseweg 227	7707 AG Balkbrug	JRJ rec
T.A.Jurriens	J.Ellenbergerstraat 29	9746 AK Groningen	voorz
T.van Kalmthout	A.Cuypstraat 8	2391 XN Hazerswoude-Dorp	
G.Kuipers	Israelsstraat 5	9801 EH Zuidhorn	KPG pennm
P.Louwman	Houtlaan 2	2243 CB Wassenaar	
A.Mak	Amersfoortseweg 9 (301)	1412 EJ Naarden	erelid
G.Meijer	Zuijlenburg 6	3904 JT Veenendaal	
R.Mink	Raatakkers 16	7826 EM Emmen	
H.Munsterman	Tuinweg 27	7944 AB Meppel	
F.D.J.Nieuwenhout	Kofschipstraat 9	1826 CG Alkmaar	NWH
G.de Nooij	Betuwe Singel 14	4033 KN Lienden	
A.H.Scholten	Horsterdijk 6A	6961 KP Eerbeek	SAQ
A.M.Schuitema	De Maten 16	7991 BB Dwingeloo	
P.Serne'	Blankenstraat 35hs	1018 RP Amsterdam	
A.J.M.Toonen	Hazewind 21	5454 HK Sint Hubert	
E.K.Wubbena	Arkendonk 11	4907 XT Oosterhout	WUB
W.T.Zanstra	Spijkerlaan 13	9903 BB Appingedam	

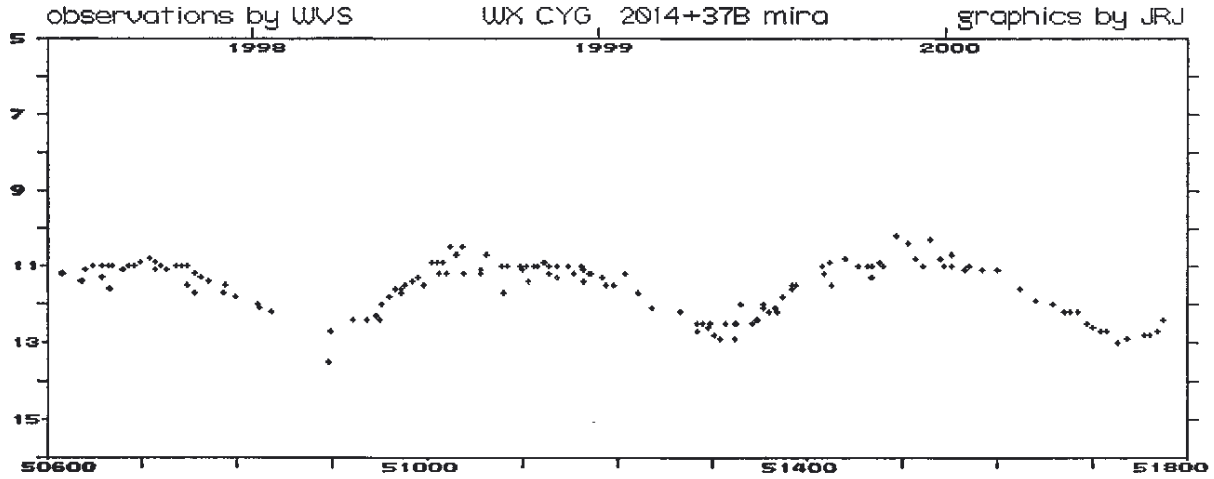
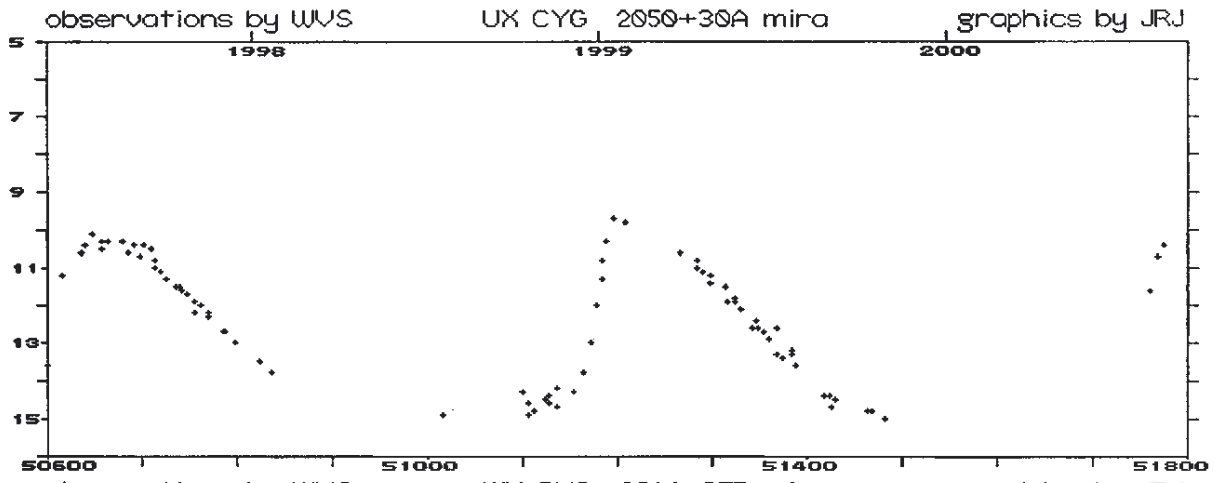
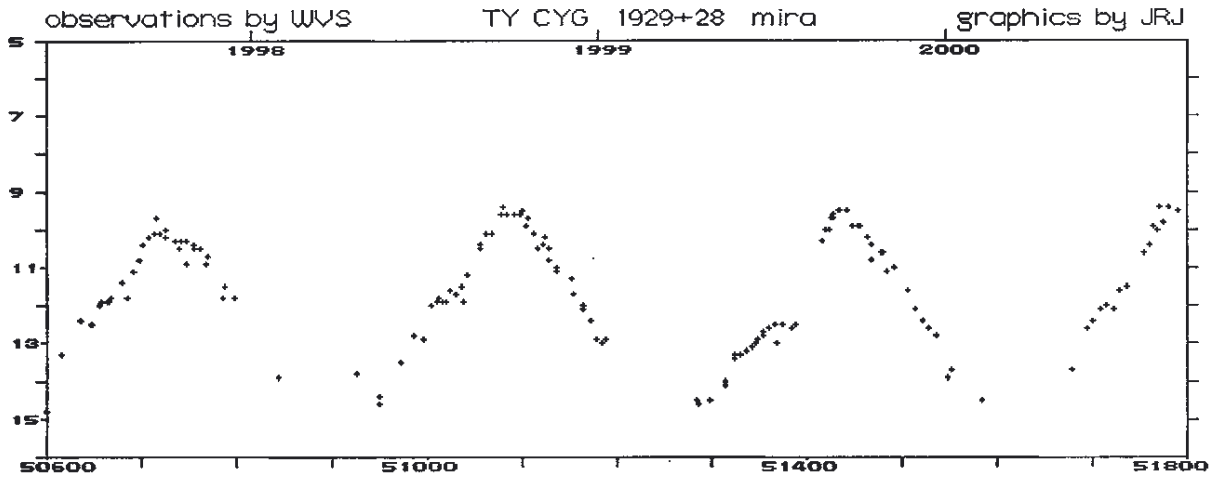
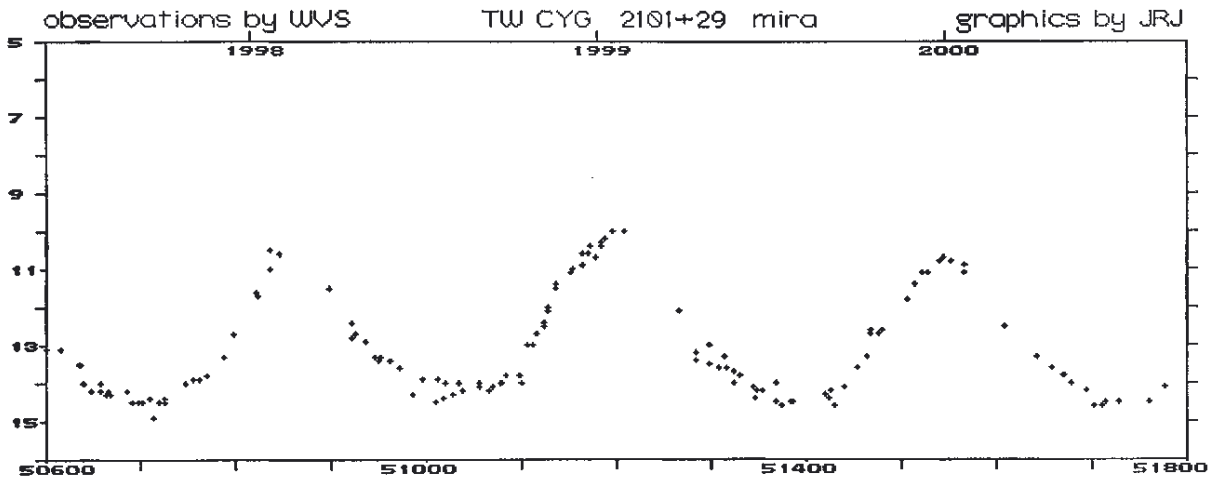
Verzendadressen Variabilia

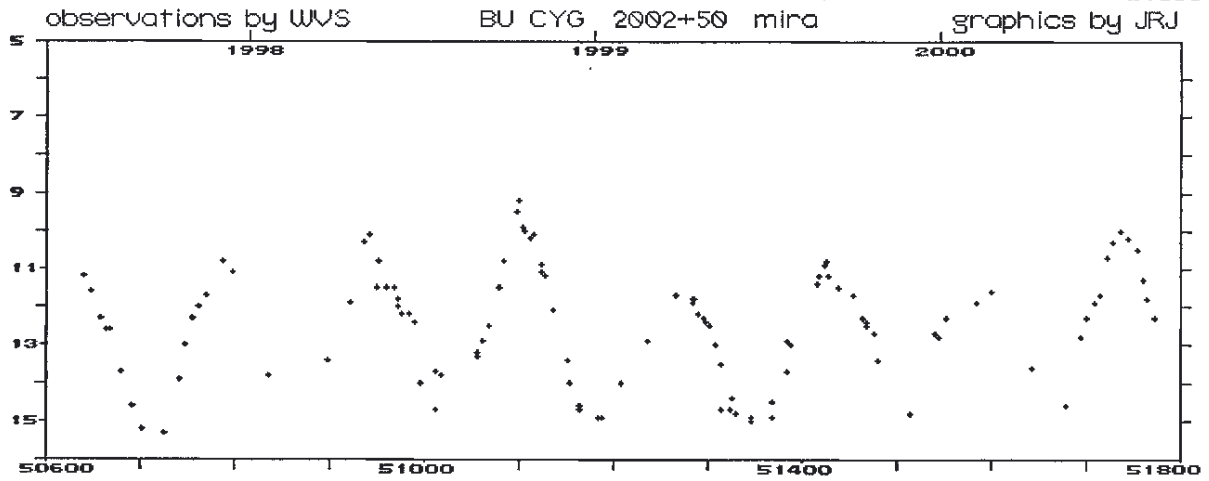
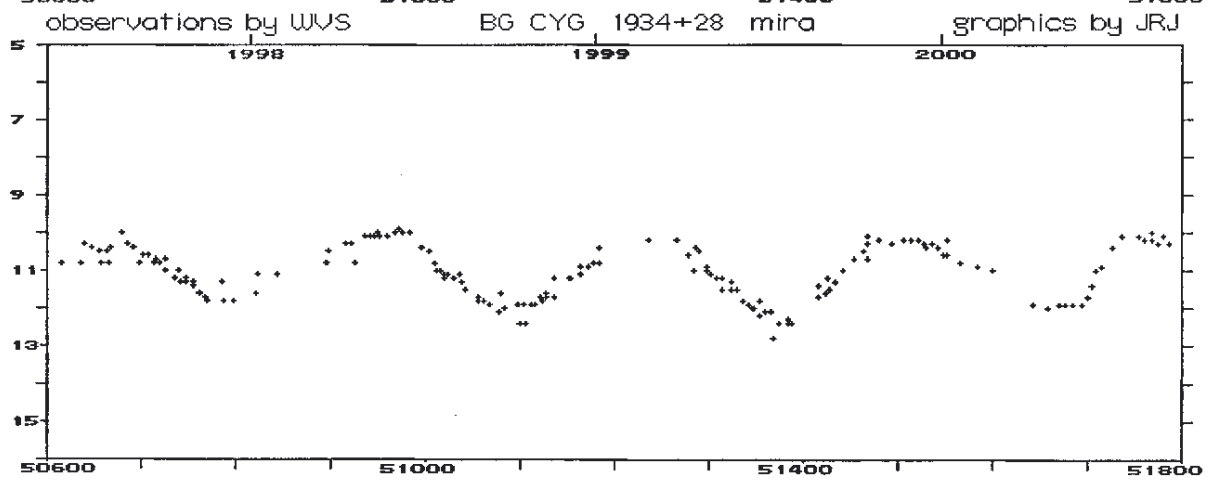
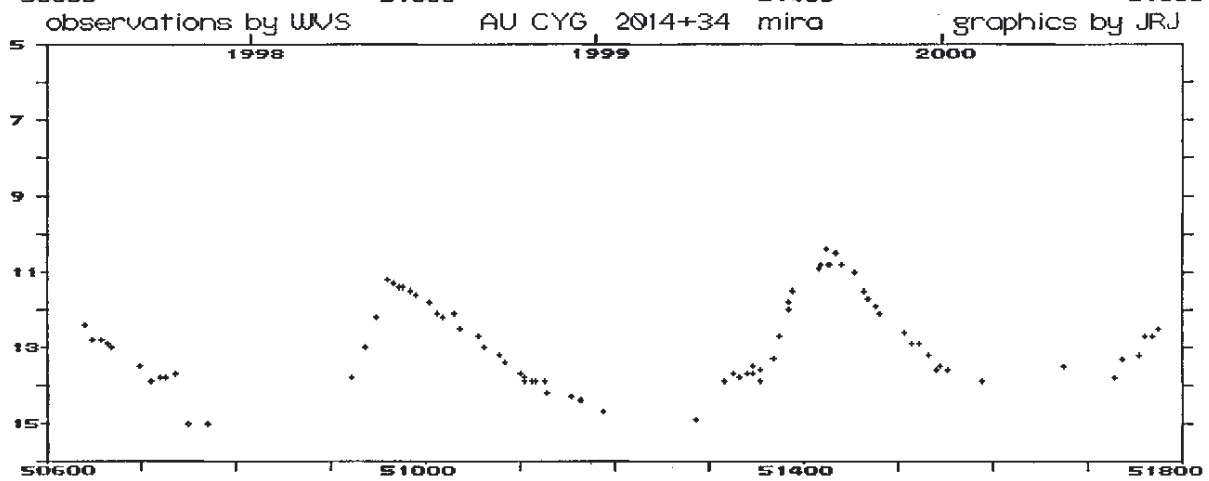
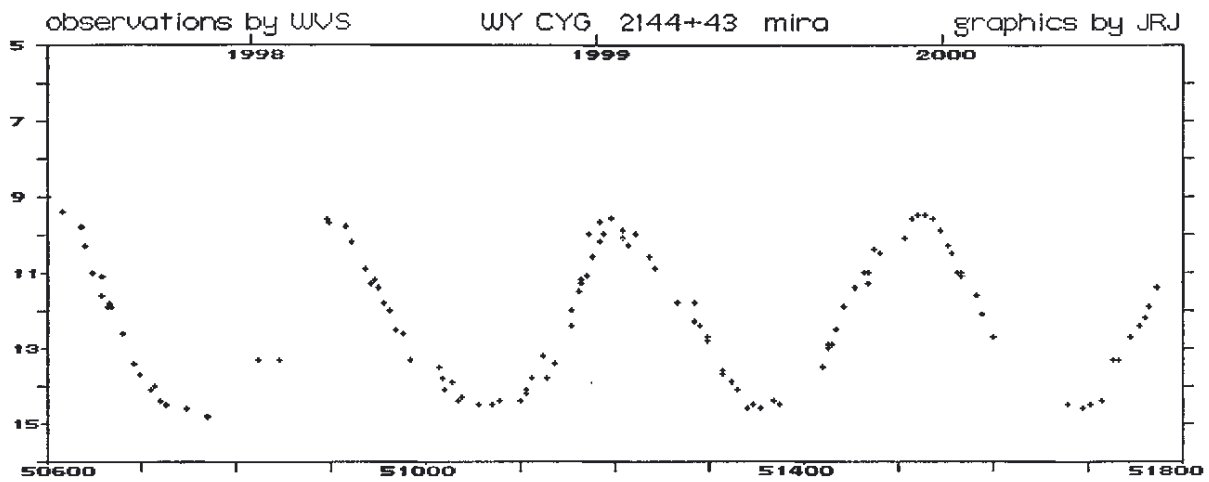
Stichting "De Koepel"	Zonnenburg 2	3512 NL Utrecht
E.Broens (WVS-VVS België)	Wateringstraat 43	B-2400 Mol (Belgie)

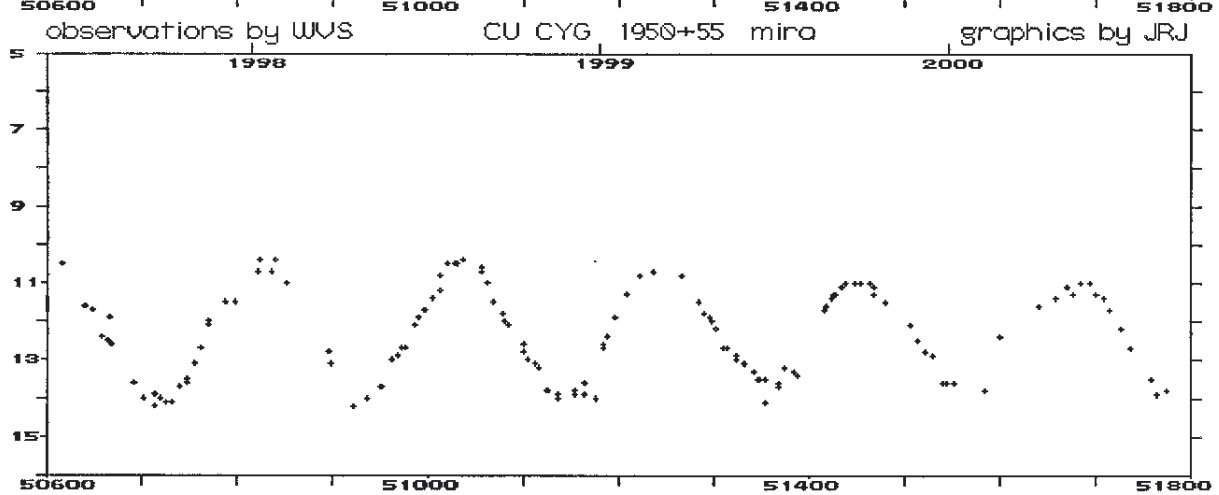
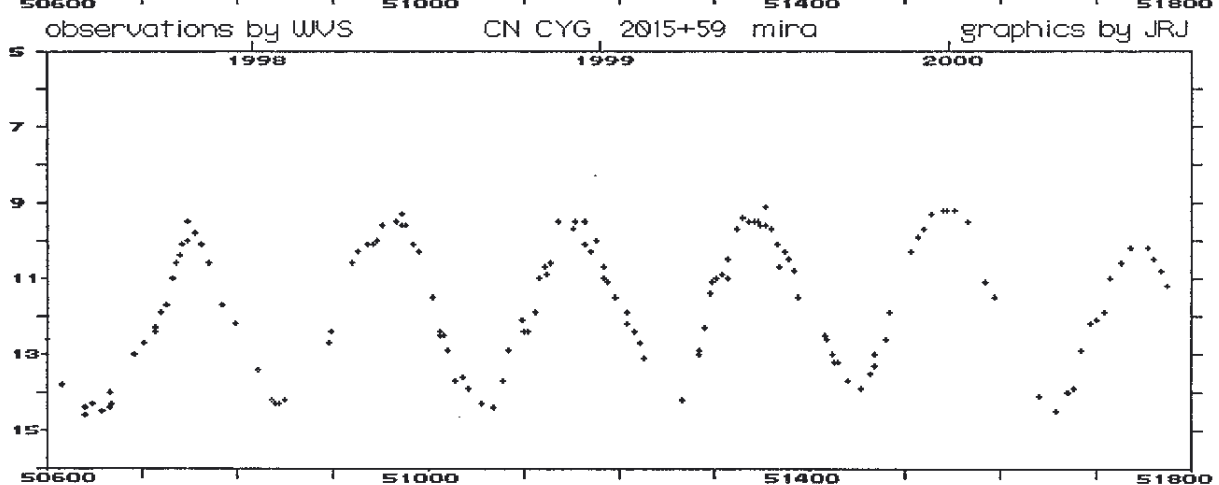
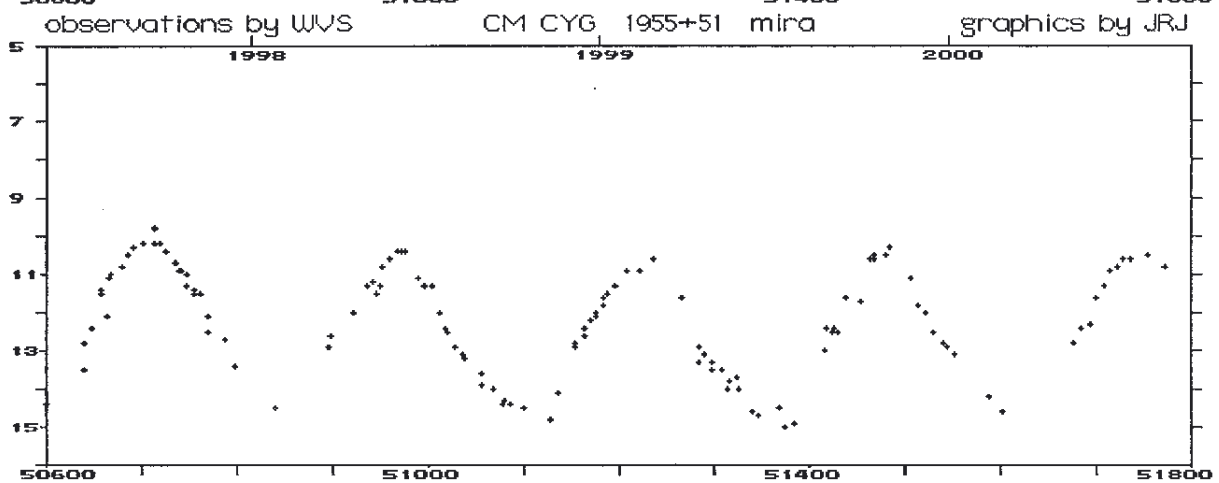
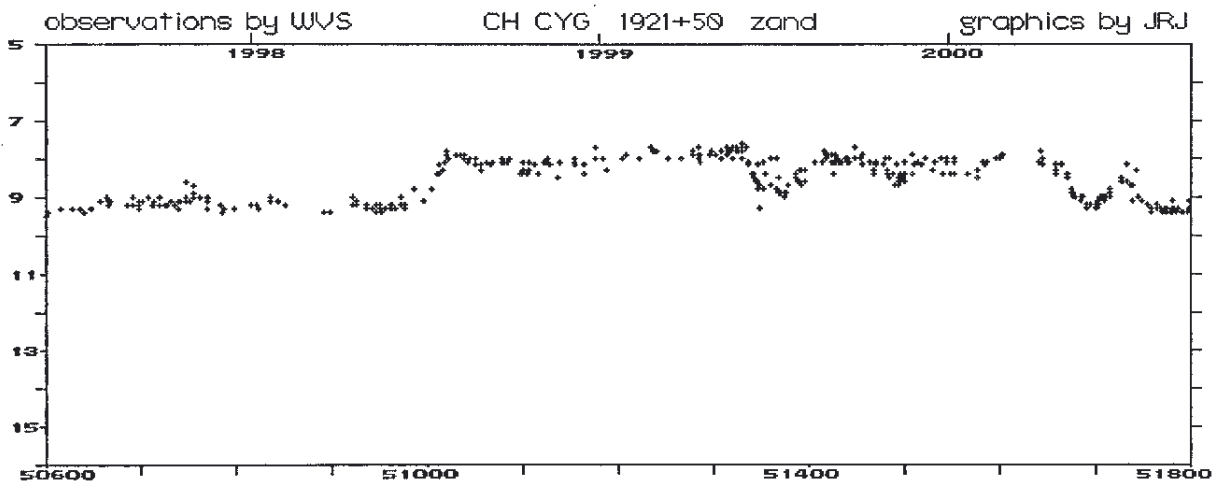


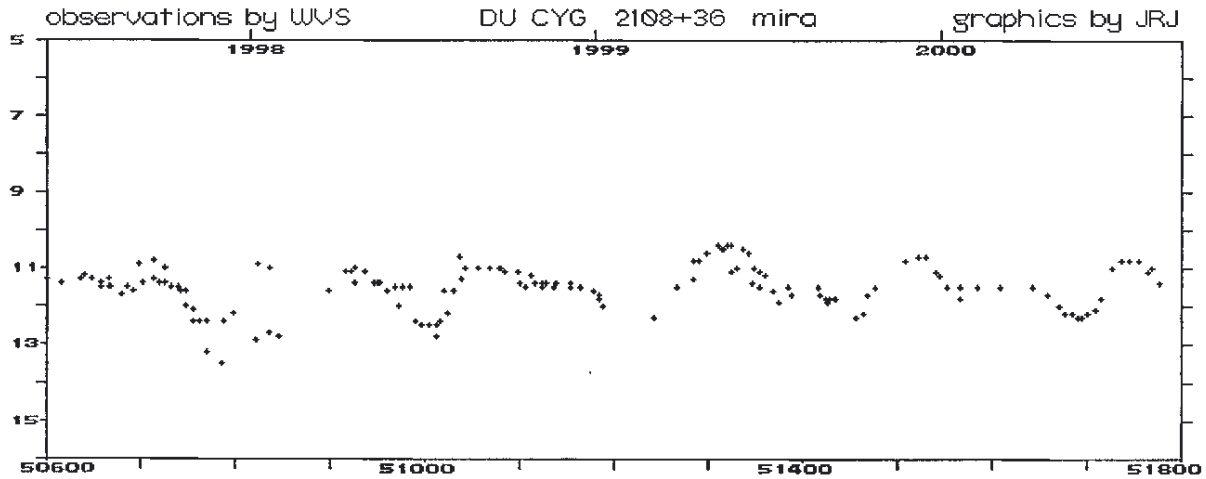
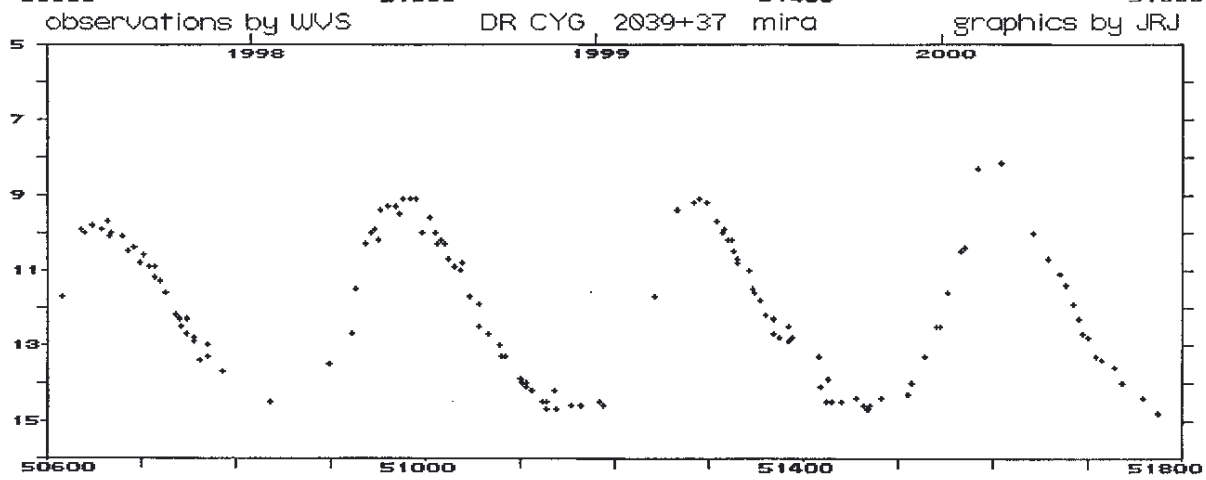
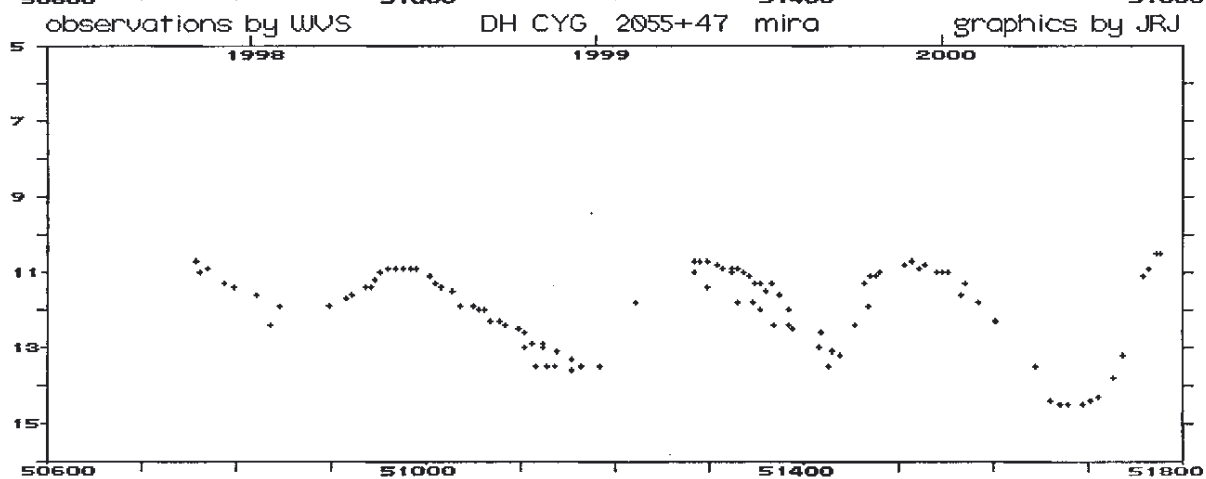
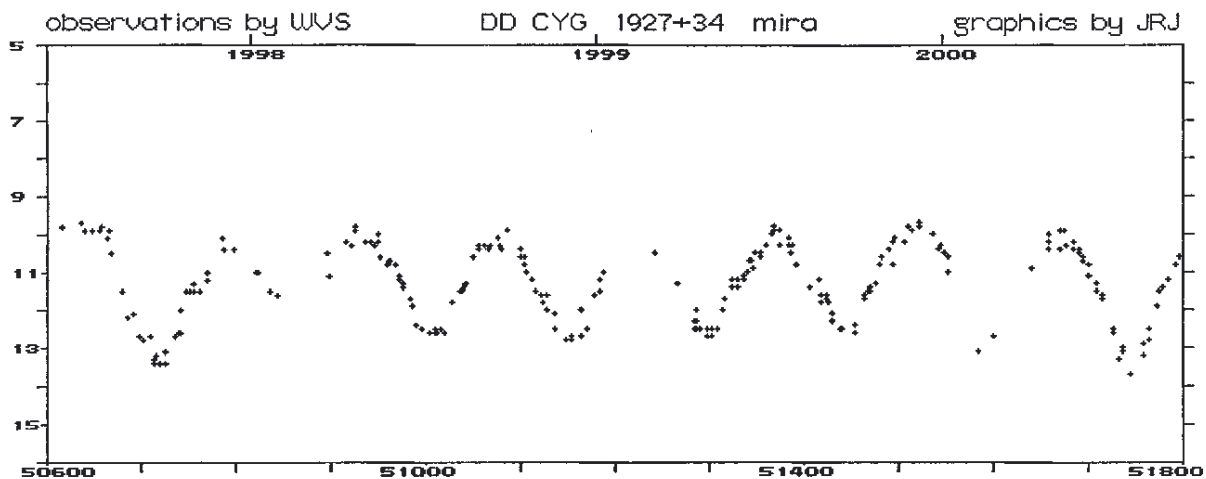


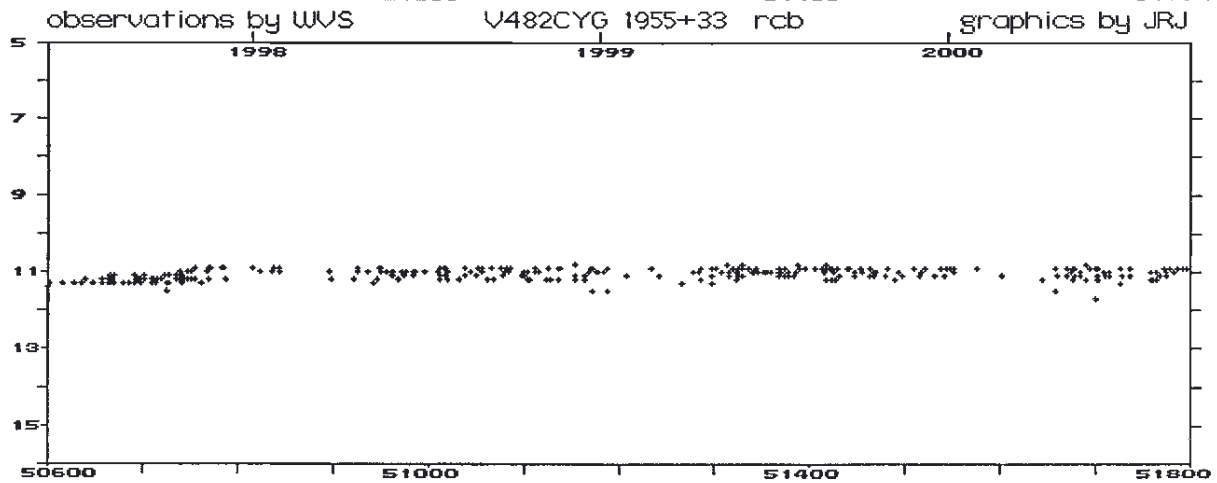
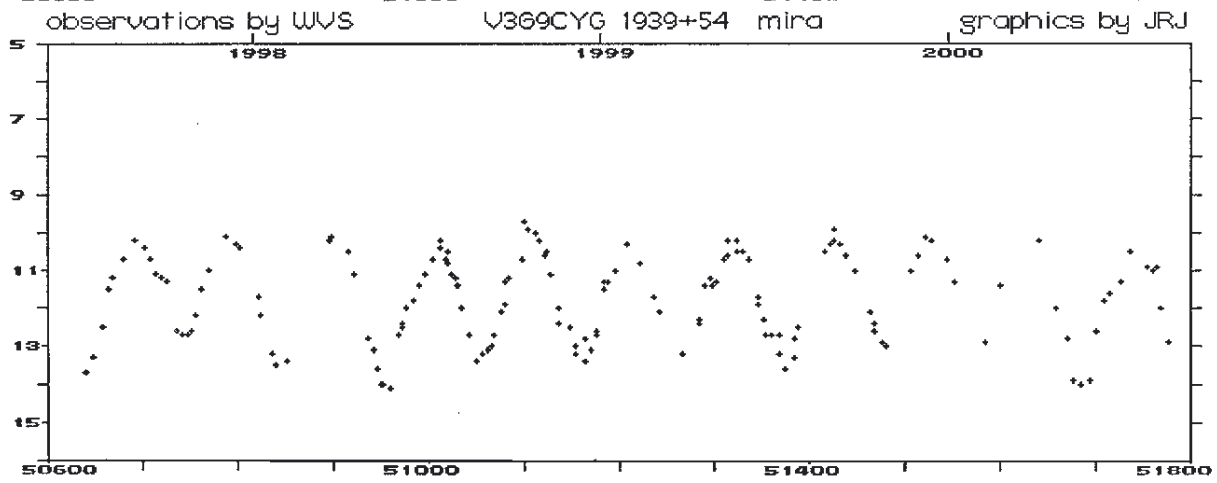
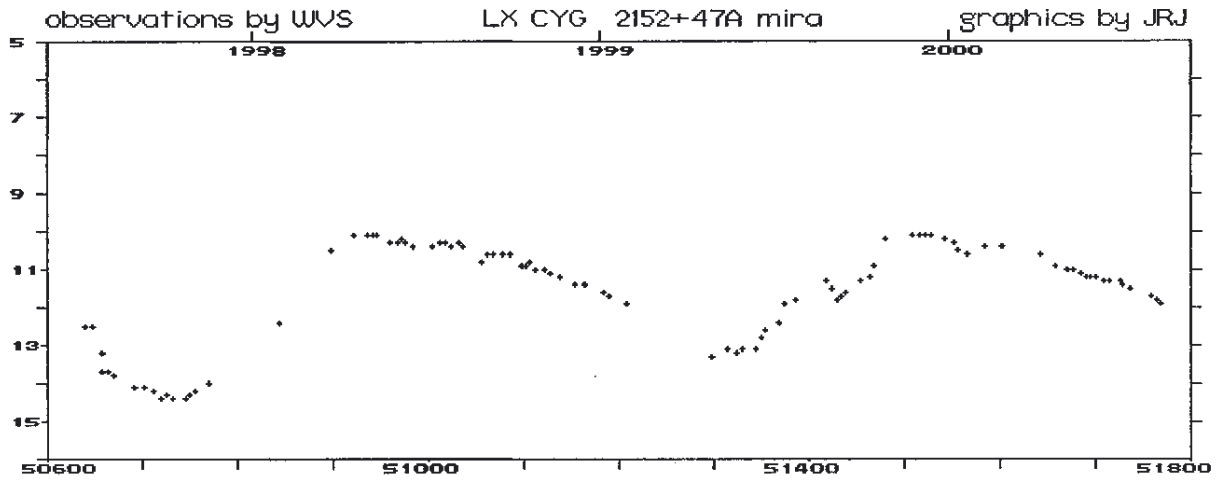
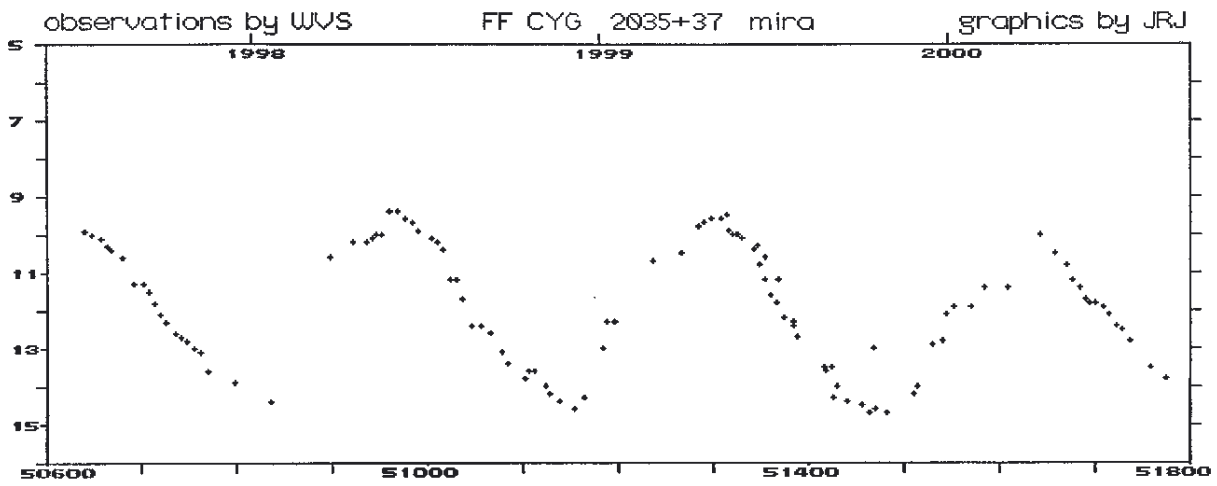












De nu volgende tabel bevat de waarnemingen uit de periode juli t/m september 2000.

Elke reeks waarnemingen gedaan aan een ster begint met het Harvard nummer, gevolgd door de naam en het type van de ster.

In de kolommen staan vermeld de Juliaanse Datum, de helderheid en de waarnemer.

Voor de JD geldt $JD = JD + 2.451.000$

	776.4	10.8	CMG	782.4	7.2	BMU	792.382	7.6	BMU	736.5	11.7	BMU
	806.3	10.7	CMG	790.7	8.0	BVE	799.352	7.5	BMU	736.5	11.7	CMG
	814.4	10.8	CMG	792.4	7.3	BMU	807.328	7.5	BMU	736.5	12.0	VDE
-----				799.4	8.0	BMU	811.381	7.5	BMU	752.4	11.7	CMG
	0009+28			800.6	8.1	BVE	-----			759.4	11.4	BMU
SN2000CX sn	UW AND	mira		807.3	8.1	BMU	0040+47			760.6	11.4	CMG
761.519	13.4	BMU		807.7	8.2	BVE	U CAS	mira		765.4	11.1	CMG
765.524	13.6	BMU		810.4	8.4	CMG	726.5	12.5	CMG	765.4	11.3	GGU
-----				811.4	8.2	BMU	736.5	11.8	CMG	772.4	11.1	BMU
	812.4	13.4	CMG	814.7	8.3	BVE	752.4	10.9	CMG	775.9	11.4	BVE
	817.4	13.2	CMG	815.3	8.5	CMG	759.4	10.7	CMG	779.4	11.0	BMU
-----				817.4	8.4	BMU	764.4	10.6	CMG	780.4	10.9	GGU
SN2000DB sn	0010+46			-----			765.8	10.3	BVE	786.4	10.9	BMU
780.385	:13.8	BMU		0019-09			772.4	9.8	BMU	790.7	10.4	BVE
-----				S CET	mira		772.4	10.1	CMG	797.4	10.5	BMU
V368PEG				760.6	12.6	CMG	775.9	9.7	BVE	798.4	10.4	GGU
785.458	13.1	BMU		790.7	11.0	BVE	779.4	9.5	BMU	804.3	10.0	CMG
786.378	13.3	BMU		807.7	10.9	BVE	786.4	9.2	BMU	804.3	10.2	BMU
-----				810.5	10.7	CMG	790.7	9.0	BVE	807.7	9.6	BVE
V750OPH				814.7	10.9	BVE	797.4	8.8	BMU	809.4	9.9	GGU
733.5	12.1	CMG		817.4	10.3	CMG	800.6	8.8	BVE	810.4	10.0	CMG
768.4	12.1	CMG		-----			804.3	8.8	CMG	812.4	9.9	BMU
-----				0017+26			807.3	8.8	BMU	814.7	9.7	BVE
V854CEN				T AND	mira		807.7	8.9	BVE	815.3	10.0	CMG
726.523	7.2	BVE		729.5	10.6	CMG	810.4	8.8	CMG	-----		
734.519	7.2	BVE		736.5	10.8	CMG	811.4	8.9	BMU	0054+27		
736.577	7.3	BVE		760.6	12.2	CMG	814.7	8.9	BVE	W PSC	mira	
742.539	7.1	BVE		765.4	12.5	CMG	815.3	9.1	CMG	736.5	10.8	CMG
747.536	7.6	BVE		772.4	12.8	CMG	-----			760.6	11.3	CMG
749.543	7.6	BVE		807.3	13.8	CMG	0027+25A			768.4	13.8	CMG
766.532	7.6	BVE		812.3	14.0	CMG	TU AND	mira		812.4	14.5	CMG
773.510	7.6	BVE		817.4	13.9	CMG	729.5	9.8	CMG	-----		
785.489	8.0	BVE		-----			736.5	9.7	CMG	0058+40		
790.519	8.6	BVE		0017+55			760.6	8.6	CMG	RX AND	ugz	
793.497	9.3	BVE		T CAS	mira		765.4	8.6	CMG	735.503	14.3	VDE
795.492	9.9	BVE		726.5	9.3	CMG	807.3	8.1	CMG	736.468	14.5	CMG
802.497	:10.7	BVE		736.4	9.5	CMG	812.3	8.0	CMG	736.500	14.4	BMU
-----				752.4	10.2	CMG	817.4	7.9	CMG	759.426	14.4	BMU
0004+51				759.4	10.9	BMU	-----			759.440	14.2	CMG
SS CAS	mira			760.6	10.4	CMG	0030+57			760.519	14.2	CMG
729.4	11.1	CMG		765.4	10.7	GGU	UW CAS	mira		761.437	14.2	CMG
736.4	11.5	CMG		768.4	10.8	CMG	733.5	14.9	CMG	761.470	14.4	BMU
736.5	11.5	BMU		772.4	11.0	BMU	811.3	15.1	CMG	764.419	14.0	CMG
736.5	11.9	VDE		774.4	11.0	CMG	-----			765.417	14.1	CMG
759.4	12.7	BMU		779.4	11.0	BMU	0031+62			765.497	13.8	BMU
759.4	12.8	CMG		780.4	11.1	GGU	TY CAS	mira		768.378	12.8	CMG
764.4	12.8	CMG		786.4	11.5	BMU	814.4	12.3	CMG	769.531	12.1	CMG
772.4	13.3	CMG		797.4	11.7	BMU	-----			769.565	12.2	BMU
779.4	13.0	BMU		798.4	11.5	GGU	0031+79			772.402	11.5	BMU
786.4	13.1	BMU		804.3	11.5	CMG	Y CEP	mira		772.419	11.1	CMG
799.3	11.8	BMU		804.3	11.8	BMU	759.4	10.8	CMG	774.381	11.7	BMU
804.3	11.4	CMG		809.4	11.9	GGU	764.3	10.4	CMG	774.421	11.3	CMG
804.3	11.5	BMU		810.4	11.6	CMG	765.4	10.5	GGU	776.357	13.6	CMG
809.4	11.2	GGU		811.4	11.8	BMU	768.4	10.4	CMG	779.426	14.4	BMU
810.4	11.3	CMG		815.3	11.8	CMG	774.4	10.2	CMG	780.399	14.3	BMU
811.4	11.1	BMU		-----			782.4	10.0	GGU	782.400	14.3	BMU
815.3	11.1	CMG		0018+38			804.4	10.0	CMG	785.471	14.4	BMU
817.4	10.9	BMU		R AND	mira		809.4	10.5	GGU	786.410	14.5	BMU
-----				726.5	9.5	CMG	810.4	10.3	CMG	792.384	12.9	BMU
0008+62				736.5	8.3	CMG	815.3	10.2	CMG	797.418	11.0	BMU
UX CAS	sr			759.4	6.7	CMG	-----			799.351	11.9	BMU
729.5	10.8	CMG		765.8	6.6	BVE	0039+40			804.347	14.0	CMG
761.5	10.8	CMG		772.4	7.1	CMG	EG AND	zand		807.325	14.4	CMG
				772.7	7.0	CMG	774.379	7.6	BMU	810.413	14.4	CMG
				775.9	6.7	BVE	782.397	7.5	BMU			

							0049+58					
							W CAS	mira				
							729.4	11.8	CMG			

811.332	13.2	CMG	-----	U PSC	mira	810.4	12.4	CMG	765.4	10.9	CMG				
811.382	13.1	BMU	0110+55A	760.5	11.5	CMG	815.3	12.2	CMG	772.4	10.5	CMG			
812.329	10.7	CMG	VZ CAS	mira	769.5	11.6	CMG	-----	-----	775.9	10.1	BVE			
812.353	11.0	BMU	729.5	13.0	CMG	810.5	13.7	CMG	0152+54	790.7	8.8	BVE			
813.558	10.9	BVE	736.5	12.5	CMG	817.4	13.9	CMG	U PER	mira	806.3	8.1	CMG		
814.365	10.8	CMG	759.4	10.9	BMU	-----	-----	-----	726.5	8.0	CMG	807.7	8.1	BVE	
814.680	10.9	BVE	759.4	11.1	CMG	0120+20	736.5	7.9	BMU	736.5	7.9	CMG	810.5	7.6	CMG
817.333	10.7	CMG	764.4	10.7	CMG	RX PSC	mira	736.5	7.9	VDE	814.7	8.0	BVE		
817.373	10.9	BMU	772.4	9.8	CMG	761.5	9.5	CMG	759.4	8.0	BMU	817.4	7.6	CMG	
-----	-----	-----	772.4	10.0	BMU	769.5	9.5	CMG	760.5	8.1	CMG	-----	-----	-----	
0059+53			779.4	9.8	BMU	807.4	10.1	CMG	765.4	8.3	CMG	0212+58			
V723CAS	n		782.4	9.8	GGU	812.4	10.2	CMG	765.5	8.2	BMU	T PER	sr		
736.453	14.0	CMG	786.4	9.8	BMU	817.4	10.7	CMG	772.4	8.3	CMG	729.5	8.6	CMG	
736.482	13.9	BMU	797.4	9.9	BMU	-----	-----	-----	774.4	8.3	BMU	760.6	8.9	CMG	
736.485	13.6	VDE	804.3	10.8	CMG	0123+50			775.9	8.6	BVE	810.5	8.9	CMG	
759.439	13.8	CMG	807.3	10.2	BMU	RZ PER	mira		780.4	8.5	BMU	-----	-----	-----	
759.439	14.2	BMU	807.4	10.3	CMG	736.5	14.2	CMG	780.4	8.6	GGU	0212+81			
761.467	14.0	CMG	809.4	10.2	GGU	760.5	12.5	CMG	785.5	8.7	BMU	Z CEP	mira		
761.474	14.1	BMU	812.4	10.5	CMG	765.4	12.2	CMG	790.8	8.6	BVE	814.4	14.9	CMG	
765.429	13.9	CMG	815.3	10.7	CMG	774.4	11.4	CMG	792.4	8.8	BMU	-----	-----	-----	
765.501	14.1	BMU	-----	-----	-----	807.3	10.3	CMG	798.4	9.7	GGU	0214-03			
779.436	13.9	BMU	0112+08			812.4	10.2	CMG	799.4	8.9	BMU	OMICET	mira		
780.403	14.0	BMU	S PSC	mira		817.4	10.4	CMG	806.3	9.0	CMG	760.6	8.4	CMG	
782.394	14.1	BMU	760.5	10.7	CMG	-----	-----	-----	807.3	9.2	BMU	769.5	7.9	CMG	
785.473	14.0	BMU	769.5	9.7	CMG	0125+02			807.7	9.2	BVE	785.5	5.7	BMU	
786.420	14.0	BMU	790.8	10.2	BVE	R PSC	mira		809.4	9.9	GGU	790.7	5.2	BVE	
807.324	14.1	BMU	807.4	10.6	CMG	760.6	10.2	CMG	814.4	9.6	CMG	807.4	4.0	BMU	
807.356	14.3	CMG	807.7	10.4	BVE	769.5	9.1	CMG	814.7	9.7	BVE	807.7	3.9	BVE	
811.390	14.1	BMU	812.4	10.8	CMG	807.4	8.3	CMG	817.4	9.8	CMG	810.5	4.1	CMG	
812.358	14.1	BMU	814.7	10.7	BVE	812.4	8.6	CMG	-----	-----	-----	811.4	3.9	BMU	
812.386	14.1	CMG	817.4	10.9	CMG	817.4	8.7	CMG	0154+57			814.7	3.7	BVE	
817.382	14.1	BMU	-----	-----	-----	-----	-----	-----	V666CAS	mira		817.4	3.8	BMU	
-----	-----	-----	0112+72			0127+46			729.5	13.5	CMG	817.4	3.9	CMG	
0101-02			S CAS	mira		SX AND	mira		736.5	13.4	CMG	-----	-----	-----	
Z CET	mira		736.5	14.4	CMG	760.6	13.5	CMG	760.6	13.2	CMG	0215+58			
760.6	13.7	CMG	759.4	13.9	CMG	765.4	13.3	CMG	765.4	13.2	CMG	S PER	sr		
810.5	10.8	CMG	761.4	13.8	CMG	774.4	12.9	CMG	774.4	12.9	CMG	726.5	10.8	CMG	
817.4	10.9	CMG	764.4	13.6	CMG	807.3	11.4	CMG	807.3	12.3	CMG	736.5	10.8	BMU	
-----	-----	-----	772.4	13.6	CMG	812.3	11.5	CMG	814.4	12.4	CMG	736.5	10.8	CMG	
0106+21A			782.4	12.2	GGU	817.4	11.5	CMG	-----	-----	-----	736.5	11.0	VDE	
X PSC	mira		790.7	10.5	BVE	-----	-----	-----	0202+27			759.4	10.8	BMU	
761.5	13.2	CMG	798.4	9.9	GGU	0132+38			Z TRI	mira		760.5	10.8	CMG	
810.5	9.7	CMG	799.3	9.9	BMU	RU AND	sr		812.3	12.0	CMG	765.4	10.8	CMG	
814.4	9.1	CMG	804.4	9.5	CMG	729.5	11.6	CMG	817.4	12.0	CMG	772.4	10.7	CMG	
-----	-----	-----	807.3	9.5	BMU	736.5	11.7	CMG	-----	-----	-----	774.4	10.7	BMU	
0108+26			807.7	9.7	BVE	761.4	11.8	CMG	0204+48			780.4	10.6	GGU	
RT PSC	srb		809.4	9.7	GGU	768.4	11.7	CMG	RV AND	sr		780.4	10.7	BMU	
790.8	9.8	BVE	810.4	9.6	CMG	774.4	11.6	CMG	729.5	10.1	CMG	785.5	10.6	BMU	
807.7	9.8	BVE	815.3	9.5	CMG	807.3	11.2	CMG	736.5	10.1	CMG	790.8	10.5	BVE	
814.7	8.8	BVE	-----	-----	-----	812.4	11.0	CMG	761.4	10.3	CMG	792.4	10.5	BMU	
-----	-----	-----	0113+79			817.4	11.0	CMG	768.4	10.4	CMG	798.4	10.6	GGU	
0109+40			AE CEP	mira		-----	-----	-----	774.4	10.4	CMG	799.4	10.5	BMU	
U AND	mira		729.4	12.5	CMG	0133+38			807.3	10.2	CMG	806.3	10.9	CMG	
760.6	12.8	CMG	736.4	13.1	CMG	Y AND	mira		812.4	10.2	CMG	807.3	10.5	BMU	
765.4	13.1	CMG	759.4	14.5	CMG	726.5	9.2	CMG	817.4	10.2	CMG	809.4	10.5	GGU	
812.3	14.8	CMG	764.4	14.8	CMG	736.5	9.5	CMG	-----	-----	-----	814.4	10.8	CMG	
-----	-----	-----	776.4	15.1	CMG	760.6	10.8	CMG	0210+24			814.7	10.5	BVE	
0110+25			807.3	13.9	CMG	765.4	11.2	CMG	R ARI	mira		817.4	10.9	CMG	
Z PSC	srb		810.5	13.7	CMG	772.4	11.6	CMG	760.5	8.6	CMG	-----	-----	-----	
790.8	7.2	BVE	817.3	12.6	CMG	807.3	14.1	CMG	769.5	8.6	CMG	0220-00			
807.7	7.4	BVE	-----	-----	-----	812.3	14.0	CMG	790.8	9.2	BVE	R CET	mira		
814.7	7.3	BVE	0116+38			817.4	14.1	CMG	807.4	9.2	CMG	760.6	8.8	CMG	
-----	-----	-----	TX AND	mira		-----	-----	-----	807.7	9.5	BVE	769.6	8.3	CMG	
0110+41A			729.5	11.9	CMG	0149+58			812.4	9.5	CMG	810.5	10.5	CMG	
UZ AND	mira		736.5	11.9	CMG	X CAS	mira		814.7	9.5	BVE	817.4	11.0	CMG	
729.5	12.9	CMG	761.4	11.9	CMG	729.4	11.7	CMG	817.4	9.9	CMG	-----	-----	-----	
736.5	12.2	CMG	768.4	11.9	CMG	736.5	11.9	CMG	-----	-----	-----	0221+32			
760.6	10.6	CMG	774.4	11.9	CMG	759.4	12.2	CMG	0211+43A			S TRI	mira		
765.4	10.4	CMG	807.3	11.7	CMG	772.4	12.3	CMG	W AND	mira		736.5	10.8	CMG	
774.4	10.4	CMG	812.4	11.7	CMG	782.4	12.1	GGU	729.5	12.0	CMG	760.5	10.8	CMG	
807.3	11.1	CMG	817.4	11.7	CMG	798.4	12.2	GGU	736.5	11.8	CMG	765.4	10.7	CMG	
812.3	11.2	CMG	-----	-----	-----	804.3	12.4	CMG	760.6	11.2	CMG	769.5	10.5	CMG	
817.4	11.5	CMG	0117+12			809.4	12.1	GGU	-----	-----	-----	-----	-----	-----	

774.4	10.5	CMG	799.4	10.9	BMU	760.5	14.0	CMG	0441+26	790.8	9.6	BVE
807.3	10.5	CMG	807.3	10.4	BMU	769.5	14.1	CMG	RV TAU	-----	-----	-----
812.3	10.5	CMG	807.3	10.5	CMG	810.4	11.0	CMG	rvb	0526+07	-----	-----
817.4	10.5	CMG	807.7	10.4	BVE	817.4	10.5	CMG	810.524	9.6	CMG	-----
-----	-----	-----	812.3	9.9	CMG	-----	-----	-----	-----	-----	-----	-----
0221+50	-----	-----	814.7	9.7	BVE	0324+43	-----	-----	0446+17	-----	-----	-----
RR PER	mira	-----	817.4	9.6	CMG	GK PER	na+xp	-----	V TAU	mira	-----	-----
736.5	13.6	CMG	-----	-----	-----	736.522	13.1	CMG	810.5	9.3	CMG	-----
760.5	13.5	CMG	0242+17	-----	-----	759.444	13.0	BMU	-----	-----	-----	-----
765.4	14.1	CMG	T ARI	sr	-----	760.548	13.2	CMG	0446+49	-----	-----	-----
807.3	14.7	CMG	760.6	10.7	CMG	765.509	13.1	BMU	AU AUR	mira	-----	-----
812.4	14.6	CMG	769.5	10.8	CMG	774.392	13.0	BMU	769.6	12.4	CMG	-----
817.4	14.5	CMG	790.8	11.0	BVE	779.478	13.1	BMU	810.5	12.4	CMG	-----
-----	-----	-----	807.7	10.6	BVE	782.390	13.1	BMU	-----	-----	-----	-----
0226+46	-----	-----	814.7	10.1	BVE	785.482	13.0	BMU	0449+07	-----	-----	-----
AX AND	mira	-----	817.4	10.0	CMG	792.390	13.0	BMU	FG ORI	mira	-----	-----
765.4	14.9	CMG	-----	-----	-----	807.350	13.2	BMU	810.5	12.7	CMG	-----
-----	-----	-----	0302+26	-----	-----	807.356	13.3	CMG	-----	-----	-----	-----
0228+55	-----	-----	Z ARI	mira	-----	811.394	13.1	BMU	0452+56	-----	-----	-----
DY PER	reb	-----	810.5	10.6	CMG	814.388	13.3	CMG	TX CAM	mira	-----	-----
729.490	11.8	CMG	817.4	10.6	CMG	-----	-----	-----	817.4	12.0	CMG	-----
736.490	11.7	BMU	-----	-----	-----	0401+06	-----	-----	-----	-----	-----	-----
736.492	11.7	VDE	0305+14	-----	-----	XY TAU	mira	-----	0453+07	-----	-----	-----
736.494	11.6	CMG	U ARI	mira	-----	810.5	11.1	CMG	R ORI	mira	-----	-----
759.442	11.2	BMU	760.6	9.8	CMG	-----	-----	-----	790.8	11.6	BVE	-----
760.547	11.4	CMG	769.5	9.1	CMG	0414+68	-----	-----	810.5	11.1	6CM	-----
764.428	11.4	CMG	810.5	8.0	CMG	SX CAM	mira	-----	-----	-----	-----	-----
765.445	11.3	CMG	817.4	7.8	CMG	761.5	15.4	CMG	0455-14	-----	-----	-----
765.506	11.2	BMU	-----	-----	-----	-----	-----	-----	R LEP	mira	-----	-----
768.381	11.3	CMG	0311+70	-----	-----	0422+09	-----	-----	790.8	9.0	BVE	-----
772.415	11.0	BMU	V667CAS	mira	-----	R TAU	mira	-----	-----	-----	-----	-----
774.390	11.0	BMU	729.4	10.8	CMG	810.5	10.7	CMG	0500+01	-----	-----	-----
774.412	11.3	CMG	733.4	10.3	CMG	-----	-----	-----	W ORI	sr	-----	-----
776.368	11.4	CMG	752.4	9.7	CMG	0430+65	-----	-----	783.9	6.4	BVE	-----
779.437	11.0	BMU	760.6	9.7	CMG	T CAM	mira	-----	790.8	6.8	BVE	-----
782.388	11.0	BMU	765.4	9.7	CMG	726.5	9.4	CMG	-----	-----	-----	-----
785.489	10.9	BMU	772.4	9.7	CMG	733.4	9.6	CMG	0500-22	-----	-----	-----
792.390	11.0	BMU	774.4	9.7	BMU	752.4	10.4	CMG	T LEP	mira	-----	-----
797.428	11.0	BMU	782.4	10.1	BMU	760.4	10.6	CMG	790.8	8.3	BVE	-----
807.313	11.1	BMU	799.3	10.5	BMU	765.4	10.7	CMG	-----	-----	-----	-----
807.336	11.3	CMG	804.4	10.4	CMG	772.4	10.9	CMG	0506-11	-----	-----	-----
810.546	11.3	CMG	807.3	10.7	BMU	804.4	12.1	CMG	RX LEP	srb	-----	-----
811.392	11.0	BMU	810.4	10.7	CMG	810.4	12.3	CMG	783.9	6.2	BVE	-----
814.424	11.3	CMG	817.3	10.8	CMG	817.3	12.8	CMG	790.8	5.9	BVE	-----
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
0228-13	-----	-----	0314-01	-----	-----	0432+08	-----	-----	0509+53	-----	-----	-----
U CET	mira	-----	X CET	mira	-----	RX TAU	mira	-----	R AUR	mira	-----	-----
790.7	8.7	BVE	810.5	12.4	CMG	810.5	14.6	CMG	760.6	8.5	CMG	-----
807.7	9.2	BVE	-----	-----	-----	-----	-----	-----	769.5	8.3	CMG	-----
810.5	9.4	CMG	0320+43	-----	-----	0432+74	-----	-----	790.8	8.4	BVE	-----
814.7	9.6	BVE	Y PER	mira	-----	X CAM	mira	-----	807.4	8.3	CMG	-----
-----	-----	-----	736.5	10.0	CMG	726.5	8.6	CMG	812.4	8.4	CMG	-----
0229+80	-----	-----	759.4	9.7	BMU	733.4	8.7	CMG	817.4	8.5	CMG	-----
RR CEP	mira	-----	760.5	9.9	CMG	736.4	8.8	VDE	-----	-----	-----	-----
729.5	13.0	CMG	765.4	9.9	CMG	736.4	9.0	BMU	0510-18	-----	-----	-----
736.4	13.0	CMG	765.5	9.8	BMU	752.4	10.4	CMG	V431ORI	rr	crb	-----
759.4	13.6	CMG	774.4	9.8	CMG	759.4	11.0	BMU	790.8	10.5	BVE	-----
764.4	13.8	CMG	774.4	9.9	BMU	760.4	11.2	CMG	-----	-----	-----	-----
765.4	13.2	GGU	775.9	9.6	BVE	765.4	11.7	CMG	0515+32	-----	-----	-----
814.4	14.7	CMG	780.4	9.7	BMU	765.5	11.9	BMU	UV AUR	mira	-----	-----
-----	-----	-----	785.5	9.5	BMU	772.4	12.0	BMU	769.6	9.9	CMG	-----
0231+33	-----	-----	790.8	9.6	BVE	772.4	12.2	CMG	810.5	10.2	CMG	-----
R TRI	mira	-----	792.4	9.4	BMU	779.4	12.3	BMU	-----	-----	-----	-----
736.5	10.9	CMG	799.4	9.3	BMU	785.5	12.5	BMU	0520+34	-----	-----	-----
738.5	10.9	BMU	804.4	9.4	CMG	792.4	12.7	BMU	S AUR	sr	-----	-----
738.5	10.9	VDE	807.3	9.3	BMU	797.4	12.7	BMU	769.6	12.2	CMG	-----
759.5	11.5	BMU	807.7	9.4	BVE	804.3	12.1	BMU	810.5	11.5	CMG	-----
760.5	11.6	CMG	810.4	9.3	CMG	804.4	12.4	CMG	-----	-----	-----	-----
765.4	11.6	CMG	814.7	9.3	BVE	810.4	12.2	CMG	0520+36	-----	-----	-----
769.5	11.9	CMG	817.4	9.3	CMG	811.4	12.0	BMU	W AUR	mira	-----	-----
774.4	11.9	CMG	-----	-----	-----	817.3	11.3	BMU	810.5	14.5	CMG	-----
779.4	11.5	BMU	0323+35	-----	-----	817.3	11.4	CMG	-----	-----	-----	-----
792.4	11.1	BMU	R PER	mira	-----	-----	-----	-----	0524-04A	-----	-----	-----
-----	-----	-----	-----	-----	-----	-----	-----	-----	S ORI	mira	-----	-----

817.4	12.6	CMG	752.400	13.2	CMG	774.4	13.0	BMU	764.5	8.5	BVE	734.5	:11.4	BVE
-----	-----	-----	759.396	10.9	CMG	774.4	13.1	CMG	765.4	8.1	CMG	745.4	11.0	CMG
0605+47			759.415	11.0	BMU	780.4	13.0	BMU	765.4	8.2	GGU	747.5	:11.0	BVE
SS AUR	ugss		760.386	11.1	CMG	792.4	13.1	BMU	771.5	8.2	BVE	751.4	10.7	CMG
814.420	10.9	CMG	761.368	11.0	CMG	804.3	13.1	CMG	772.4	8.0	CMG	759.4	10.7	BMU
817.398	10.9	CMG	761.506	11.2	BMU	807.3	13.0	BMU	772.4	8.1	BMU	760.4	10.4	CMG
-----	-----	-----	764.411	12.4	CMG	812.4	13.1	BMU	774.4	8.1	GGU	764.5	10.8	BVE
0607+46A			765.376	12.9	CMG	817.3	13.1	CMG	779.4	8.0	BMU	765.4	9.9	CMG
ST AUR	mira		765.476	12.8	BMU	-----	-----	-----	780.5	8.2	BVE	765.4	10.3	GGU
769.5	11.3	CMG	768.372	13.0	CMG	1048+72			785.4	8.1	GGU	771.5	9.7	BVE
-----	-----	-----	769.539	13.1	CMG	VX UMA	mira		785.5	8.1	BMU	772.4	9.4	CMG
0612+75			769.581	13.3	BMU	733.4	10.7	CMG	790.5	8.1	BVE	772.4	9.6	CMG
W CAM	mira		772.405	13.2	CMG	745.4	10.5	CMG	792.4	8.3	BMU	774.4	9.5	GGU
761.5	:15.7	CMG	772.418	13.1	BMU	752.4	10.5	CMG	798.4	8.5	GGU	779.4	9.1	BMU
-----	-----	-----	774.383	13.3	BMU	761.4	10.4	CMG	799.3	8.5	BMU	780.5	9.1	BVE
0616+47			774.412	13.1	CMG	768.4	10.5	CMG	804.3	8.6	CMG	785.4	8.9	GGU
V AUR	mira		776.337	13.2	CMG	774.4	10.6	CMG	807.3	8.8	BMU	785.5	8.8	BMU
769.5	12.6	CMG	779.440	10.7	BMU	804.3	11.1	CMG	809.3	8.7	GGU	790.5	9.1	BVE
810.5	11.9	CMG	780.419	10.7	BMU	810.4	11.1	CMG	811.3	8.9	CMG	792.4	8.7	BMU
817.4	11.8	CMG	782.387	10.8	BMU	817.3	11.6	CMG	817.3	9.1	CMG	798.4	8.7	GGU
-----	-----	-----	783.367	11.0	BMU	-----	-----	-----	817.3	9.3	BMU	799.3	8.6	BMU
0618+50			785.478	11.8	BMU	1151+58			-----	-----	-----	804.3	8.8	CMG
GO AUR	mira		786.425	12.0	BMU	Z UMA	sr		1233+07			807.3	8.6	BMU
810.5	11.0	CMG	792.372	13.2	BMU	732.4	7.3	CMG	R VIR	mira		809.3	8.7	GGU
-----	-----	-----	797.433	13.0	BMU	738.5	7.6	BMU	736.6	9.2	BVE	811.3	8.6	CMG
0625+64			799.342	13.1	BMU	751.4	7.8	CMG	743.5	10.4	BVE	817.3	8.4	BMU
RT CAM	mira		804.307	13.2	BMU	759.4	7.9	BMU	749.5	10.8	BVE	817.3	8.5	CMG
810.5	9.8	CMG	804.329	13.2	CMG	760.4	8.2	CMG	-----	-----	-----	-----	-----	-----
817.4	9.8	CMG	806.342	11.0	CMG	765.4	8.1	CMG	1233+66			1242+04		
-----	-----	-----	807.308	10.7	CMG	772.4	8.3	CMG	RV DRA	mira		RU VIR	mira	
0625+74			807.310	10.7	BMU	772.4	8.4	BMU	729.4	10.9	CMG	766.5	9.0	BVE
SU CAM	mira		810.420	10.5	CMG	779.4	8.3	BMU	736.5	11.4	CMG	-----	-----	-----
729.5	12.3	CMG	811.319	10.4	CMG	785.5	8.3	BMU	752.4	12.5	CMG	1242+38		
733.4	12.3	CMG	811.401	10.3	BMU	792.4	8.2	BMU	761.4	12.9	CMG	U CVN	mira	
761.4	13.6	CMG	812.275	10.5	CMG	799.3	8.0	BMU	772.4	13.6	CMG	774.4	11.7	CMG
807.3	14.1	CMG	812.342	10.4	BMU	804.3	8.1	CMG	807.4	:14.6	CMG	-----	-----	-----
817.4	14.4	CMG	814.386	10.6	CMG	807.3	7.8	BMU	-----	-----	-----	1246+06		
-----	-----	-----	815.30	10.7	CMG	811.3	7.9	CMG	1234+59			U VIR	mira	
0631+59			817.308	11.0	CMG	817.3	7.7	BMU	RS UMA	mira		726.5	9.9	BVE
U LYN	mira		817.347	10.8	BMU	817.3	7.9	CMG	732.4	8.7	CMG	736.6	9.7	BVE
810.5	14.5	CMG	-----	-----	-----	-----	-----	-----	732.6	8.7	BVE	742.6	9.4	BVE
-----	-----	-----	0931+78			1214-18			738.5	8.7	BMU	749.5	9.0	BVE
0634+44A			Y DRA	mira		R CRV	mira		738.5	8.7	VDE	766.5	8.3	BVE
AA AUR	mira		726.5	12.1	CMG	726.5	9.4	BVE	740.5	8.7	BVE	773.5	8.2	BVE
769.5	10.2	CMG	733.5	12.3	CMG	734.5	9.7	BVE	745.4	8.5	CMG	-----	-----	-----
810.5	12.7	CMG	754.4	13.5	CMG	743.5	10.5	BVE	747.5	8.7	BVE	1322+62		
-----	-----	-----	761.4	13.4	CMG	749.5	10.7	BVE	751.4	8.5	CMG	RR UMA	mira	
0635+58			768.4	13.6	CMG	-----	-----	-----	759.4	8.7	BMU	736.5	9.9	CMG
S LYN	mira		772.4	13.7	CMG	1220+01			760.4	8.9	CMG	752.4	10.8	CMG
810.5	10.3	CMG	811.3	14.6	CMG	SS VIR	sr		764.5	9.1	BVE	760.6	10.8	CMG
817.4	10.2	CMG	817.4	14.6	CMG	734.5	8.0	BVE	765.4	9.1	CMG	768.4	11.3	CMG
-----	-----	-----	-----	-----	-----	742.5	7.4	BVE	765.4	9.1	GGU	772.4	11.6	CMG
0640+30			0939+52			749.5	7.4	BVE	771.5	9.5	BVE	807.3	13.4	CMG
X GEM	mira		ER UMA	ug		766.5	6.8	BVE	772.4	9.2	BMU	-----	-----	-----
810.5	13.3	CMG	759.471	12.5	BMU	-----	-----	-----	772.4	9.4	CMG	1332+73		
-----	-----	-----	761.441	12.5	BMU	1225+32			774.4	9.2	GGU	T UMI	mira	
0653+55			765.449	12.7	BMU	T CVN	mira:		779.4	9.8	BMU	726.5	10.3	CMG
R LYN	mira		812.309	12.7	BMU	733.4	10.5	CMG	780.5	9.7	BVE	732.4	10.2	CMG
810.5	13.9	CMG	-----	-----	-----	752.4	10.5	CMG	785.4	10.8	GGU	752.4	10.0	CMG
-----	-----	-----	0942+11			761.4	10.4	CMG	785.5	10.4	BMU	754.4	9.8	GGU
0721+41			R LEO	mira		774.3	10.2	CMG	792.4	10.8	BMU	760.4	9.9	CMG
VX AUR	mira		734.5	7.8	BVE	-----	-----	-----	798.4	11.1	GGU	765.4	9.7	GGU
810.5	9.9	CMG	-----	-----	-----	1231+60			799.3	11.2	BMU	765.4	9.8	CMG
-----	-----	-----	1037+69			T UMA	mira		804.3	11.7	CMG	772.3	10.3	CMG
0814+73			R UMA	mira		732.4	10.9	CMG	807.3	11.8	BMU	774.4	10.3	GGU
Z CAM	ugz		733.4	12.2	CMG	738.5	9.9	VDE	809.3	11.9	GGU	782.4	10.6	GGU
726.525	13.4	CMG	745.4	12.4	CMG	738.5	10.1	BMU	811.3	11.8	CMG	798.4	11.9	GGU
729.449	13.2	CMG	752.4	12.8	CMG	740.5	10.0	BVE	817.3	12.2	BMU	804.3	12.3	CMG
733.433	10.9	CMG	759.4	12.8	BMU	745.4	9.3	CMG	817.3	12.3	CMG	809.3	12.3	GGU
736.402	11.3	CMG	761.4	12.8	CMG	747.5	9.1	BVE	-----	-----	-----	810.4	12.5	CMG
736.442	11.1	BMU	765.4	12.9	GGU	751.4	8.5	CMG	1239+61			817.3	12.6	CMG
736.442	11.1	VDE	768.4	13.1	CMG	759.4	8.2	BMU	S UMA	mira		-----	-----	-----
745.388	13.1	CMG	774.4	12.9	GGU	760.4	8.2	CMG	732.4	11.2	CMG	1336-33		

T CEN	sr	742.6	10.5	BVE	726.5	9.6	CMG	736.439	11.3	VDE	792.3	10.2	BMU	
726.5	6.7	BVE	745.4	10.5	CMG	732.4	9.1	CMG	736.522	11.1	CMG	799.3	9.8	BMU
734.5	6.1	BVE	749.5	10.4	BVE	752.4	9.0	CMG	752.400	11.1	CMG	800.4	10.0	GGU
742.5	6.1	BVE	751.4	10.2	CMG	754.4	8.5	GGU	754.397	11.2	GGU	800.5	10.1	BVE
749.5	6.2	BVE	759.4	9.5	BMU	759.4	8.7	BMU	759.411	11.1	BMU	804.3	9.4	CMG
790.5	7.6	BVE	760.4	9.8	CMG	760.4	9.2	CMG	761.476	11.1	CMG	807.3	8.8	BMU
-----	-----	-----	763.6	9.0	BVE	765.4	8.5	GGU	765.378	11.2	GGU	807.5	9.2	BVE
1342-36	-----	-----	765.4	9.3	CMG	765.4	9.1	CMG	765.473	11.1	BMU	812.3	8.9	CMG
RT CEN	mira	-----	768.4	9.0	GGU	772.4	8.5	BMU	768.433	11.3	GGU	814.5	8.3	BVE
734.5	10.8	BVE	771.5	8.9	BVE	772.4	8.7	CMG	772.419	11.0	BMU	817.3	8.3	BMU
742.5	10.9	BVE	772.4	8.9	BMU	774.4	8.2	GGU	772.447	11.1	CMG	817.3	8.6	CMG
749.5	10.3	BVE	772.4	9.0	CMG	779.4	8.4	BMU	774.383	11.2	GGU	-----	-----	-----
-----	-----	-----	779.5	8.6	BMU	780.4	8.4	GGU	774.403	11.0	BMU	1533+78A	-----	-----
1344+34	-----	-----	780.4	8.9	GGU	785.5	8.5	BMU	779.438	11.0	BMU	S UMI	mira	-----
RT CVN	mira	-----	780.5	8.9	BVE	792.4	8.3	BMU	780.441	11.2	GGU	726.5	8.8	CMG
733.4	13.2	CMG	787.4	8.7	GGU	798.4	8.2	GGU	782.359	11.1	GGU	726.6	8.8	BVE
-----	-----	-----	790.5	8.8	BVE	799.3	8.3	BMU	782.386	11.0	BMU	732.4	8.7	CMG
1344+40	-----	-----	792.3	8.7	BMU	804.3	8.2	CMG	785.403	11.3	GGU	734.5	8.8	BVE
R CVN	mira	-----	798.4	8.9	GGU	807.3	8.2	BMU	785.475	11.0	BMU	742.6	8.8	BVE
732.6	9.0	BVE	799.3	8.8	BMU	809.3	8.2	GGU	787.439	11.2	GGU	749.6	8.3	BVE
733.4	9.3	CMG	800.5	8.7	BVE	810.4	8.5	CMG	792.368	11.0	BMU	751.4	8.8	CMG
739.6	8.8	BVE	804.3	9.0	CMG	817.3	8.2	CMG	797.429	11.0	BMU	754.4	8.4	GGU
747.5	8.4	BVE	807.3	8.9	BMU	817.3	8.4	BMU	798.396	11.2	GGU	760.4	8.7	CMG
752.4	8.5	CMG	807.5	9.2	BVE	-----	-----	-----	799.341	11.0	BMU	765.4	8.3	GGU
759.5	7.9	BMU	811.3	9.2	CMG	1432+27	-----	-----	804.303	11.0	BMU	765.4	8.7	CMG
761.4	7.8	CMG	814.5	9.4	BVE	R BOO	mira	-----	806.324	11.0	CMG	772.3	8.6	CMG
766.5	7.9	BVE	817.3	9.4	BMU	732.6	9.4	BVE	807.310	11.0	BMU	774.4	8.3	GGU
773.5	7.9	BVE	817.3	9.6	CMG	733.4	9.3	CMG	809.317	11.1	GGU	782.4	8.7	GGU
774.3	7.6	CMG	-----	-----	-----	739.6	9.8	BVE	811.332	11.0	CMG	783.4	8.5	BMU
774.4	7.7	BMU	1422+05	-----	-----	745.4	10.2	CMG	811.397	11.0	BMU	790.5	8.4	BVE
780.5	7.8	BVE	RS VIR	mira	-----	747.5	10.3	BVE	812.340	11.0	BMU	798.4	9.2	GGU
782.4	7.7	BMU	726.5	10.2	BVE	752.4	10.3	CMG	814.374	11.1	CMG	804.3	9.5	CMG
790.5	7.8	BVE	733.4	9.8	CMG	759.4	11.2	BMU	817.343	11.1	BMU	809.3	9.8	GGU
792.4	7.7	BMU	736.6	8.7	BVE	760.4	11.0	CMG	-----	-----	-----	810.4	9.6	CMG
-----	-----	-----	742.6	8.3	BVE	765.4	11.6	CMG	1513+36	-----	-----	815.3	9.6	CMG
1401+13	-----	-----	745.4	7.9	CMG	768.4	11.6	GGU	RT BOO	mira	-----	-----	-----	-----
Z BOO	mira	-----	749.5	8.2	BVE	772.4	11.8	CMG	733.4	12.8	CMG	1544+28A	-----	-----
733.4	9.0	CMG	766.5	8.1	BVE	774.4	11.9	BMU	752.4	12.7	CMG	R CRB	rcb	-----
752.4	9.2	CMG	780.5	8.3	BVE	780.4	11.9	GGU	761.4	12.2	CMG	726.583	6.1	BVE
761.4	9.4	CMG	-----	-----	-----	780.4	12.2	BMU	768.4	12.0	CMG	732.389	6.1	CMG
774.4	9.4	CMG	1425+39	-----	-----	787.4	12.0	GGU	774.4	11.9	CMG	732.630	6.3	BVE
-----	-----	-----	V BOO	sr	-----	792.3	12.5	BMU	804.3	10.3	CMG	733.4	6.0	CMG
1409-59	-----	-----	732.4	8.5	CMG	807.3	12.5	CMG	812.3	10.4	CMG	736.419	6.0	BMU
R CEN	mira	-----	732.6	8.8	BVE	812.3	12.6	CMG	817.3	10.3	CMG	736.419	6.0	VDE
726.5	8.9	BVE	739.6	8.8	BVE	817.3	12.6	CMG	-----	-----	-----	736.575	6.1	BVE
734.5	8.5	BVE	745.4	8.7	CMG	-----	-----	-----	1517+14	-----	-----	738.501	6.1	VDE
743.5	8.6	BVE	747.5	8.8	BVE	1443+39	-----	-----	S SER	mira	-----	738.522	6.0	BMU
749.5	8.6	BVE	751.4	8.8	CMG	RR BOO	mira	-----	733.4	9.2	CMG	739.576	6.0	BVE
-----	-----	-----	759.4	8.9	BMU	733.4	13.7	CMG	752.4	9.6	CMG	743.607	6.3	BVE
1415+67	-----	-----	760.4	8.9	CMG	751.4	13.6	CMG	761.4	9.9	CMG	747.529	6.6	BVE
U UMI	mira	-----	763.6	8.5	BVE	761.4	12.9	CMG	768.4	10.0	CMG	749.544	6.3	BVE
726.5	11.4	CMG	765.4	8.9	CMG	768.4	12.5	CMG	772.4	10.3	CMG	751.384	6.2	CMG
732.4	11.3	CMG	768.4	8.9	GGU	774.4	11.7	CMG	812.3	12.0	CMG	759.390	6.1	BMU
752.4	10.8	CMG	771.5	8.6	BVE	780.4	11.2	GGU	817.3	12.1	CMG	759.450	6.1	CMG
754.4	10.8	GGU	772.4	8.8	BMU	787.4	9.9	GGU	-----	-----	-----	761.442	6.1	BMU
760.4	10.5	CMG	772.4	8.8	CMG	804.3	9.2	CMG	1517+31	-----	-----	761.467	6.1	CMG
765.4	10.5	CMG	779.5	8.8	BMU	812.3	9.1	CMG	S CRB	mira	-----	763.572	6.3	BVE
765.4	10.7	GGU	780.4	8.7	GGU	817.3	9.3	CMG	733.4	12.7	CMG	764.346	6.1	CMG
772.3	10.5	CMG	780.5	8.5	BVE	-----	-----	-----	736.4	12.5	BMU	765.428	6.3	GGU
774.4	10.6	GGU	787.4	8.6	GGU	1449+18	-----	-----	736.4	12.6	VDE	765.444	6.0	BMU
782.4	10.1	GGU	790.5	8.2	BVE	U BOO	srb	-----	751.4	12.7	CMG	766.533	6.2	BVE
790.5	9.4	BVE	792.3	8.4	BMU	732.6	10.8	BVE	759.4	12.0	BMU	768.410	6.1	GGU
798.4	9.7	GGU	800.5	8.2	BVE	739.6	11.2	BVE	760.4	12.0	CMG	771.546	6.2	BVE
804.3	9.5	CMG	804.3	8.3	BMU	747.5	10.9	BVE	765.4	11.8	CMG	772.366	6.0	CMG
809.3	9.4	GGU	804.3	8.3	CMG	-----	-----	-----	768.4	11.4	GGU	772.367	6.1	BMU
810.4	9.7	CMG	807.5	8.5	BVE	1506-05	-----	-----	772.4	11.4	CMG	774.361	6.2	BMU
815.3	9.7	CMG	812.3	8.3	CMG	Y LIB	mira	-----	772.4	11.8	BMU	774.428	6.1	GGU
-----	-----	-----	814.5	8.6	BVE	733.4	10.6	CMG	779.4	11.3	BMU	776.337	6.1	CMG
1419+54	-----	-----	817.3	8.3	BMU	-----	-----	-----	780.4	11.4	GGU	779.403	6.1	BMU
S BOO	mira	-----	817.3	8.4	CMG	1510+83	-----	-----	780.5	11.3	BVE	780.388	6.1	GGU
726.6	11.5	BVE	-----	-----	-----	Z UMI	rcb	-----	786.3	11.0	BMU	780.526	6.0	BVE
732.4	11.2	CMG	1425+84	-----	-----	729.499	11.1	CMG	787.4	10.6	GGU	782.253	6.2	CMG
736.6	11.1	BVE	R CAM	mira	-----	736.438	11.0	BMU	790.5	10.8	BVE	782.350	6.0	BMU

782.428	6.1	GGU	817.3	10.8	BMU	804.3	11.1	CMG	768.4	10.6	CMG	812.3	13.4	CMG
784.555	6.2	BVE	817.3	10.9	CMG	812.3	11.8	CMG	804.3	11.0	CMG	817.3	13.3	CMG
785.440	6.1	BMU	-----	-----	-----	817.3	12.4	CMG	812.3	11.3	CMG	-----	-----	-----
786.395	6.1	GGU	1552+29	-----	-----	-----	-----	-----	817.3	11.6	CMG	1628+07A	-----	-----
787.392	6.1	GGU	Z CRB	mira	-----	1601+67	-----	-----	-----	-----	-----	SS HER	mira	-----
790.546	6.2	BVE	733.4	13.9	CMG	AG DRA	zand	-----	1611+38	-----	-----	733.5	8.9	CMG
792.328	6.0	BMU	752.4	13.1	CMG	729.470	9.9	CMG	W CRB	mira	-----	759.4	10.5	CMG
793.526	6.3	BVE	759.4	12.2	BMU	736.528	9.9	CMG	729.4	14.1	CMG	768.4	11.7	CMG
797.406	6.0	BMU	761.4	11.6	CMG	761.442	9.9	CMG	733.4	14.2	CMG	774.4	12.4	CMG
798.415	6.1	GGU	768.4	10.8	CMG	765.397	10.1	GGU	752.4	13.9	CMG	807.3	12.9	CMG
799.317	6.0	BMU	772.4	10.2	CMG	765.447	9.9	CMG	759.5	12.8	BMU	812.3	12.8	CMG
800.383	6.3	GGU	772.4	10.3	BMU	768.435	10.1	GGU	761.4	12.8	CMG	817.3	12.6	CMG
800.494	6.1	BVE	779.4	9.7	BMU	774.394	10.0	BMU	768.4	11.5	CMG	-----	-----	-----
802.531	6.2	BVE	786.3	9.5	BMU	774.397	9.9	CMG	772.4	11.7	BMU	1628-15	-----	-----
804.296	6.1	BMU	792.3	9.6	BMU	774.400	10.1	GGU	772.4	11.7	CMG	T OPH	mira	-----
804.319	6.0	CMG	799.3	9.7	BMU	780.444	10.1	GGU	779.4	11.3	BMU	733.5	10.1	CMG
807.290	6.0	BMU	804.3	10.1	CMG	780.453	10.0	BMU	786.4	11.2	BMU	736.6	10.2	BVE
807.513	6.0	BVE	807.3	9.6	BMU	782.361	10.0	GGU	792.3	11.0	BMU	743.5	10.2	BVE
811.332	6.0	CMG	812.3	9.9	BMU	787.440	10.0	GGU	799.3	10.5	BMU	-----	-----	-----
811.347	6.0	BMU	812.3	10.0	CMG	792.377	10.1	BMU	804.3	9.8	CMG	1631+37	-----	-----
813.535	6.1	BVE	817.3	10.5	CMG	798.410	10.1	GGU	807.3	9.7	BMU	W HER	mira	-----
814.510	6.3	BVE	-----	-----	-----	804.329	9.9	BMU	812.3	9.3	CMG	732.6	8.4	BVE
817.301	6.1	BMU	1555+26	-----	-----	807.371	10.0	CMG	817.3	9.1	CMG	733.5	8.3	CMG
-----	-----	-----	T CRB	nr	-----	809.330	10.1	GGU	817.3	9.2	BMU	736.5	8.1	BMU
1545+36	-----	-----	733.4	10.3	CMG	811.319	10.0	CMG	-----	-----	-----	736.5	8.1	VDE
X CRB	mira	-----	736.419	10.4	BMU	811.431	9.9	BMU	1611-22B	-----	-----	739.6	8.2	BVE
733.4	12.2	CMG	736.421	10.4	VDE	-----	-----	-----	S SCO	mira	-----	747.5	8.2	BVE
752.4	13.1	CMG	752.381	10.3	CMG	1602+10	-----	-----	732.7	12.1	BVE	754.4	8.1	CMG
759.5	13.2	BMU	759.391	10.5	BMU	U SER	mira	-----	743.6	11.9	BVE	759.5	8.0	BMU
760.4	13.2	CMG	761.374	10.4	CMG	733.4	12.3	CMG	749.6	11.7	BVE	761.4	7.9	CMG
768.4	13.5	CMG	764.349	10.3	CMG	752.4	11.2	CMG	-----	-----	-----	763.6	8.3	BVE
774.4	13.7	CMG	765.445	10.5	BMU	761.4	10.1	CMG	1613+26	-----	-----	768.4	8.1	CMG
779.4	13.6	BMU	772.366	10.2	CMG	765.7	10.3	BVE	NP HER	mira	-----	771.5	8.6	BVE
786.4	14.0	BMU	772.369	10.4	BMU	768.4	9.7	CMG	733.5	11.2	CMG	772.4	8.6	BMU
787.4	13.6	GGU	774.364	10.3	BMU	772.4	9.6	CMG	754.4	11.1	CMG	774.4	8.1	CMG
807.3	13.5	CMG	779.409	10.4	BMU	773.6	9.2	BVE	761.4	11.1	CMG	779.5	8.6	BMU
812.3	13.4	CMG	780.357	10.3	BMU	780.6	9.0	BVE	768.4	11.1	CMG	780.4	8.7	GGU
812.3	13.6	BMU	782.351	10.4	BMU	790.6	9.4	BVE	774.4	11.1	CMG	780.5	8.9	BVE
817.3	13.6	CMG	785.440	10.4	BMU	800.5	8.9	BVE	812.3	11.2	CMG	787.4	9.0	GGU
-----	-----	-----	792.331	10.5	BMU	807.5	8.8	BVE	-----	-----	-----	790.6	8.9	BVE
1546+15	-----	-----	799.319	10.5	BMU	812.3	9.0	CMG	1621+19	-----	-----	792.4	9.1	BMU
R SER	mira	-----	804.295	10.4	BMU	814.5	9.0	BVE	U HER	mira	-----	799.4	9.3	BMU
733.4	11.7	CMG	804.316	10.1	CMG	817.3	9.3	CMG	733.5	12.0	CMG	800.4	9.6	GGU
752.4	12.7	CMG	807.292	10.4	BMU	-----	-----	-----	754.4	12.2	CMG	800.5	9.3	BVE
761.4	12.9	CMG	811.349	10.5	BMU	1606+25	-----	-----	759.5	11.8	BMU	804.3	9.3	CMG
772.4	13.0	CMG	812.283	10.2	CMG	RU HER	mira	-----	761.4	12.1	CMG	807.4	9.6	BMU
812.3	11.5	CMG	812.345	10.4	BMU	733.5	10.7	CMG	768.4	11.8	CMG	807.5	9.4	BVE
817.3	11.2	CMG	817.294	10.4	CMG	754.4	9.4	CMG	772.4	11.7	BMU	812.3	10.2	CMG
-----	-----	-----	817.304	10.5	BMU	759.4	8.7	CMG	774.4	11.7	CMG	814.5	9.9	BVE
1546+39	-----	-----	-----	-----	-----	764.3	8.5	CMG	779.5	11.5	BMU	817.3	10.1	BMU
V CRB	mira	-----	1558-23	-----	-----	768.4	8.4	CMG	780.4	11.4	GGU	817.3	10.4	CMG
732.6	8.7	BVE	RZ SCO	mira	-----	774.4	8.1	BMU	780.5	11.3	BVE	-----	-----	-----
733.4	9.3	CMG	732.7	11.3	BVE	774.4	8.1	CMG	787.4	11.3	GGU	1632+66	-----	-----
739.6	9.2	BVE	743.6	11.3	BVE	782.4	8.1	BMU	790.6	11.3	BVE	R DRA	mira	-----
747.5	9.8	BVE	749.6	11.5	BVE	792.3	8.2	BMU	792.4	11.3	BMU	726.5	9.2	CMG
752.4	9.6	CMG	790.6	11.4	BVE	804.3	8.7	CMG	800.5	10.9	BVE	726.6	9.3	BVE
759.5	9.8	BMU	800.5	10.6	BVE	807.3	8.5	BMU	804.3	11.1	BMU	732.6	9.6	BVE
763.6	9.9	BVE	807.5	9.9	BVE	812.3	8.8	CMG	804.3	11.2	CMG	733.5	9.7	CMG
765.4	9.9	CMG	814.5	9.8	BVE	817.3	8.9	BMU	807.5	11.0	BVE	742.6	10.2	BVE
771.6	10.0	BVE	-----	-----	-----	817.3	8.9	CMG	812.3	11.1	CMG	749.6	11.2	BVE
772.4	9.9	BMU	1600-21	-----	-----	-----	-----	-----	814.5	11.0	BVE	754.4	11.0	CMG
779.4	10.0	BMU	Z SCO	mira	-----	1607+10	-----	-----	817.3	10.9	CMG	760.4	11.2	CMG
780.5	10.5	BVE	814.5	11.7	BVE	DN HER	mira	-----	817.3	11.0	BMU	765.4	11.2	GGU
786.4	10.3	BMU	-----	-----	-----	736.4	10.8	CMG	-----	-----	-----	765.4	11.5	CMG
790.5	10.4	BVE	1601+18	-----	-----	752.4	10.8	CMG	1621-12	-----	-----	772.4	11.5	CMG
792.3	10.4	BMU	R HER	mira	-----	772.4	10.8	CMG	V OPH	mira	-----	774.4	11.4	GGU
799.3	10.5	BMU	733.5	8.2	CMG	812.3	12.0	CMG	780.6	10.0	BVE	774.4	11.6	BMU
800.5	10.6	BVE	754.4	8.2	CMG	817.3	12.1	CMG	790.6	9.8	BVE	780.4	11.5	GGU
804.3	10.9	CMG	761.4	8.3	CMG	-----	-----	-----	800.5	9.3	BVE	780.5	11.7	BMU
807.3	10.7	BMU	768.4	8.4	CMG	1608+25	-----	-----	807.5	9.4	BVE	792.4	11.8	BMU
807.5	10.7	BVE	774.4	8.9	CMG	VV HER	mira	-----	-----	-----	-----	798.4	12.3	GGU
812.3	10.9	CMG	783.4	9.3	BMU	736.4	13.4	CMG	1626+23	-----	-----	804.3	12.0	BMU
814.5	10.7	BVE	792.4	9.7	BMU	759.4	11.0	CMG	DO HER	mira	-----	804.4	12.1	CMG

809.3	12.2	GGU	786.4	7.7	GGU	1702+17	800.5	10.0	BVE	765.369	11.5	CMG
810.4	12.2	CMG	790.6	8.6	BVE	VY HER	804.3	10.1	CMG	765.683	11.4	BVE
811.4	11.9	BMU	792.4	7.9	BMU	759.4	807.4	10.3	BMU	772.376	11.6	BMU
815.3	12.1	CMG	800.5	7.9	BVE	764.4	807.5	10.3	BVE	773.642	11.3	BVE
-----	-----	-----	804.3	7.9	BMU	774.4	812.3	10.3	CMG	774.367	11.6	CMG
1634+14	-----	-----	804.3	7.9	CMG	804.3	814.5	10.3	BVE	774.367	11.7	BMU
AS HER	mira	-----	807.5	7.9	BVE	812.3	817.3	10.3	BMU	780.359	11.9	BMU
754.4	9.8	CMG	812.3	7.9	CMG	817.3	817.3	10.4	CMG	780.573	11.8	BVE
761.4	9.8	CMG	814.5	8.0	BVE	-----	-----	-----	-----	782.355	11.7	BMU
768.4	10.3	CMG	817.3	7.8	BMU	1702-15	1719+04A	-----	-----	783.353	11.7	BMU
774.4	10.8	CMG	817.3	7.9	CMG	R OPH	V7590PH	sr	-----	784.557	11.4	BVE
804.3	11.9	CMG	-----	-----	-----	733.5	774.4	12.1	CMG	786.362	11.7	BMU
812.3	12.6	CMG	1652-02	-----	-----	-----	811.3	10.6	CMG	790.578	11.5	BVE
817.3	11.9	CMG	SS OPH	mira	-----	-----	817.3	10.6	CMG	792.338	11.8	BMU
-----	-----	-----	733.5	9.1	CMG	1705+18	-----	-----	-----	793.533	11.2	BVE
1640+12	-----	-----	736.6	10.1	BVE	BG HER	1722+04	-----	-----	800.549	11.1	BVE
UV HER	mira	-----	743.5	11.1	BVE	759.4	VW OPH	mira	-----	802.534	11.2	BVE
759.4	14.3	CMG	752.4	11.8	CMG	807.3	733.5	12.5	CMG	804.315	11.4	BMU
774.4	14.5	CMG	761.4	12.3	CMG	812.3	761.4	14.1	CMG	804.365	11.5	CMG
807.3	13.9	CMG	772.4	13.0	CMG	-----	774.4	14.6	CMG	807.292	11.4	BMU
-----	-----	-----	-----	-----	-----	1706+27A	-----	-----	-----	807.327	11.5	CMG
1640+25	-----	-----	1656+31	-----	-----	RT HER	1726+18	-----	-----	807.549	11.3	BVE
AH HER	ugz	-----	RV HER	mira	-----	733.5	UZ HER	mira	-----	811.288	11.4	CMG
729.465	11.5	CMG	733.5	10.9	CMG	759.4	759.4	11.6	CMG	812.299	11.7	BMU
733.472	11.5	CMG	754.4	11.6	CMG	-----	764.4	11.8	CMG	813.538	11.6	BVE
736.441	12.4	CMG	761.4	12.1	CMG	1714+01	774.4	13.0	CMG	814.553	11.8	BVE
751.4	12.4	CMG	768.4	12.6	CMG	Z OPH	804.3	13.8	CMG	-----	-----	-----
759.410	11.7	CMG	774.4	13.1	CMG	733.5	812.3	14.0	CMG	1751+03	-----	-----
761.416	11.8	CMG	811.3	14.6	CMG	733.5	817.3	14.1	CMG	SV OPH	mira	-----
765.449	12.7	CMG	-----	-----	-----	752.4	-----	-----	-----	733.5	14.5	CMG
768.410	13.2	CMG	1657+22	-----	-----	761.4	1728+09A	-----	-----	752.4	12.9	CMG
774.397	12.4	CMG	SY HER	mira	-----	765.7	RU OPH	mira	-----	761.4	11.9	CMG
776.350	11.9	CMG	733.5	12.8	CMG	768.4	733.5	10.5	CMG	774.4	10.6	CMG
807.305	13.5	CMG	736.5	12.0	VDE	773.6	752.4	10.6	CMG	807.3	9.9	CMG
811.319	13.9	CMG	736.5	12.5	BMU	774.4	760.4	10.8	CMG	812.3	10.2	CMG
812.310	13.4	CMG	754.4	10.8	CMG	780.6	765.4	11.0	CMG	817.3	10.2	CMG
815.289	12.6	CMG	759.4	10.2	CMG	790.6	772.4	11.4	CMG	-----	-----	-----
817.316	12.2	CMG	759.4	10.4	BMU	800.5	807.3	13.7	CMG	1751+11	-----	-----
-----	-----	-----	761.4	10.2	CMG	804.3	812.3	13.9	CMG	RT OPH	mira	-----
1643-19	-----	-----	763.6	10.2	BVE	807.5	817.3	14.0	CMG	733.5	11.8	CMG
RR OPH	mira	-----	771.6	9.7	BVE	814.5	-----	-----	-----	752.4	11.9	CMG
733.5	9.1	CMG	772.4	9.1	BMU	817.3	1717+07	-----	-----	760.4	12.3	CMG
752.4	9.0	CMG	779.5	8.8	BMU	-----	UZ OPH	rva	-----	765.4	12.4	CMG
-----	-----	-----	780.5	9.0	BVE	1717+07	733.456	10.9	CMG	772.4	12.5	CMG
1647+05	-----	-----	786.4	8.3	GGU	UZ OPH	752.412	10.7	CMG	811.3	14.4	CMG
RX OPH	mira	-----	790.6	8.7	BVE	733.456	761.355	10.8	CMG	817.3	14.5	CMG
733.5	9.6	CMG	792.4	8.0	BMU	752.412	765.439	11.0	CMG	-----	-----	-----
752.4	9.6	CMG	799.4	8.4	BMU	761.355	774.363	10.8	CMG	1754+23	-----	-----
760.4	9.9	CMG	800.5	8.6	BVE	765.439	804.325	11.3	CMG	FU HER	mira	-----
765.4	10.0	CMG	804.3	8.9	CMG	774.363	811.291	12.2	CMG	759.4	15.4	CMG
772.4	10.2	CMG	807.4	8.8	BMU	804.325	815.283	12.3	CMG	807.3	12.7	CMG
807.3	11.7	CMG	807.5	9.3	BVE	811.291	817.283	12.3	CMG	812.3	12.5	CMG
812.3	12.3	CMG	812.3	9.8	CMG	815.283	-----	-----	-----	817.3	12.0	CMG
817.3	12.3	CMG	814.5	10.1	BVE	817.283	-----	-----	-----	-----	-----	-----
-----	-----	-----	817.3	10.3	CMG	-----	1717+23	-----	-----	1754+58A	-----	-----
1647+15	-----	-----	817.3	10.4	BMU	1717+23	RS HER	mira	-----	T DRA	mira	-----
S HER	mira	-----	-----	-----	-----	732.6	732.6	7.9	BVE	726.5	11.4	CMG
726.6	9.8	BVE	1657+52	-----	-----	733.5	733.5	7.8	CMG	733.5	11.7	CMG
732.7	9.7	BVE	WZ DRA	sr	-----	736.5	736.5	7.5	BMU	754.4	12.1	CMG
733.5	9.1	CMG	726.5	9.5	CMG	740.6	740.6	7.5	BVE	761.5	12.2	CMG
743.5	9.3	BVE	733.5	9.8	CMG	747.5	747.5	7.6	BVE	768.4	12.4	CMG
749.5	9.4	BVE	754.4	11.3	CMG	754.4	754.4	8.3	CMG	772.4	12.4	CMG
754.4	9.0	CMG	760.4	11.5	CMG	759.5	759.5	8.6	BMU	804.4	12.8	CMG
754.4	9.0	CMG	765.4	11.8	CMG	761.4	761.4	8.6	CMG	810.4	12.9	CMG
759.5	9.3	BMU	772.4	11.9	CMG	763.6	763.6	8.6	BVE	817.4	12.9	CMG
761.4	9.2	CMG	810.4	13.1	CMG	771.6	771.6	9.0	BVE	-----	-----	-----
763.6	9.0	BVE	817.4	13.2	CMG	772.4	772.4	9.0	BMU	1755+19	-----	-----
768.4	9.1	CMG	-----	-----	-----	779.5	779.5	9.1	BMU	RY HER	mira	-----
771.6	8.5	BVE	1659-12	-----	-----	780.5	780.5	9.8	BVE	733.5	13.5	CMG
772.4	8.7	BMU	UX OPH	mira	-----	786.4	786.4	9.7	GGU	759.4	13.6	CMG
774.4	8.8	CMG	733.5	11.8	CMG	790.6	790.6	10.3	BVE	768.4	13.8	CMG
780.5	8.5	BVE	761.4	12.6	CMG	792.4	792.4	9.7	BMU	774.4	13.7	CMG
782.4	8.3	BMU	-----	-----	-----	799.4	799.4	10.1	BMU	804.3	10.9	CMG

807.5	11.1	BVE	807.3	14.0	CMG	817.3	9.2	CMG	804.3	11.6	CMG	800.5	7.3	BVE
810.4	10.2	CMG	-----	-----	-----	-----	-----	-----	810.4	11.8	CMG	804.4	6.9	CMG
814.5	10.4	BVE	1805+31			1811+36			815.3	11.9	CMG	807.5	7.5	BVE
815.3	10.2	CMG	T HER	mira		W LYR	mira		-----	-----	-----	812.3	7.1	CMG
-----	-----	-----	732.7	8.4	BVE	726.6	10.8	BVE	1821+72			814.6	7.4	BVE
1755+23			736.4	8.2	CMG	729.4	10.6	CMG	RT DRA	mira		817.3	7.2	CMG
WY HER	mira		740.6	8.5	BVE	732.4	10.3	CMG	729.5	14.2	CMG	-----	-----	-----
736.4	10.7	CMG	747.5	9.1	BVE	732.7	10.1	BVE	736.5	14.2	CMG	1839+22		
759.4	11.0	CMG	754.4	9.1	CMG	740.6	9.8	BVE	761.4	13.5	CMG	AE HER	mira	
764.4	11.0	CMG	759.5	9.2	BMU	747.5	9.6	BVE	768.4	13.2	CMG	761.5	14.8	CMG
774.4	11.3	CMG	760.4	9.7	CMG	754.4	9.5	CMG	774.4	13.0	CMG	807.3	13.0	CMG
807.3	12.2	CMG	763.6	9.8	BVE	760.4	9.1	CMG	804.4	11.6	CMG	812.3	12.4	CMG
812.3	12.0	CMG	765.4	10.2	CMG	763.6	9.2	BVE	810.4	11.3	CMG	-----	-----	-----
817.3	12.3	CMG	771.6	10.3	BVE	765.4	9.2	CMG	815.3	11.1	CMG	1841+34		
-----	-----	-----	772.4	10.4	BMU	771.6	9.1	BVE	-----	-----	-----	RY LYR	mira	
1756+54			772.4	10.4	CMG	772.4	9.0	CMG	1822+24			761.4	13.8	CMG
V DRA	mira		779.5	11.1	BMU	772.4	9.2	BMU	SV HER	mira		768.4	12.8	CMG
733.5	10.8	CMG	780.5	11.1	BVE	779.5	8.8	BMU	733.5	13.9	CMG	774.4	12.4	CMG
754.4	11.8	CMG	786.4	11.8	GGU	780.4	8.6	GGU	759.4	12.3	CMG	804.3	11.5	CMG
760.4	12.3	CMG	790.6	11.8	BVE	780.6	8.7	BVE	764.4	11.8	CMG	807.6	11.9	BVE
765.4	12.4	CMG	792.4	11.9	BMU	790.6	8.5	BVE	774.4	10.6	CMG	810.4	11.2	CMG
772.4	12.8	CMG	799.4	12.2	BMU	799.3	8.1	BMU	804.3	11.0	CMG	814.5	10.6	BVE
804.4	14.3	CMG	804.3	12.5	CMG	800.5	8.2	BVE	810.4	10.7	CMG	815.3	10.6	CMG
810.4	14.3	CMG	807.4	12.3	BMU	804.3	8.4	CMG	815.3	10.6	CMG	-----	-----	-----
817.4	14.4	CMG	810.4	12.7	CMG	807.3	8.3	BMU	-----	-----	-----	1841+37		
-----	-----	-----	815.3	12.2	CMG	807.6	8.4	BVE	1823+06			AY LYR	ugsu	
1757+18			817.3	12.4	BMU	810.4	8.4	CMG	T SER	mira		811.373	12.9	BMU
WZ HER	mira		-----	-----	-----	814.5	8.7	BVE	733.4	13.4	CMG	812.328	13.1	BMU
759.4	13.4	CMG	1805+65			815.3	8.8	CMG	752.4	14.1	CMG	817.333	13.4	BMU
774.4	12.4	CMG	W DRA	mira		817.3	8.6	BMU	761.4	14.3	CMG	-----	-----	-----
804.4	12.8	CMG	726.5	10.4	CMG	-----	-----	-----	774.4	14.5	CMG	1842+43		
812.3	13.3	CMG	733.5	10.5	CMG	1813+06			807.3	14.6	CMG	RW LYR	mira	
817.3	13.1	CMG	754.4	11.2	CMG	BC OPH	mira		812.3	15.0	CMG	761.5	14.6	CMG
-----	-----	-----	760.4	11.2	CMG	761.4	14.6	CMG	817.3	15.2	CMG	-----	-----	-----
1802+20A			765.4	11.8	CMG	811.3	12.8	CMG	-----	-----	-----	1842-05		
DE HER	srd		772.4	11.5	CMG	817.3	12.5	CMG	1831+49A			R SCT	rva	
736.4	12.0	CMG	804.4	13.0	CMG	-----	-----	-----	SV DRA	mira		726.585	5.7	BVE
759.4	11.9	CMG	810.4	13.1	CMG	1813+49			729.5	12.1	CMG	732.675	5.7	BVE
764.4	11.9	CMG	817.4	13.6	CMG	AM HER	am+xr+e		736.5	12.3	CMG	733.458	5.4	BMU
774.4	11.8	CMG	-----	-----	-----	780.440	14.2	BMU	761.4	13.2	CMG	733.472	5.7	CMG
804.3	11.1	CMG	1806+66			782.409	14.0	BMU	765.4	13.2	CMG	736.410	5.8	CMG
810.4	11.1	CMG	X DRA	mira		783.378	14.0	BMU	772.4	13.7	CMG	736.422	5.3	VDE
817.3	11.0	CMG	733.5	14.6	CMG	785.467	13.8	BMU	807.4	14.6	CMG	736.424	5.6	BMU
-----	-----	-----	765.4	14.9	CMG	804.336	13.5	BMU	812.4	14.7	CMG	736.576	5.8	BVE
1802+20B			807.4	14.8	CMG	807.337	13.4	BMU	817.4	14.8	CMG	742.575	5.7	BVE
DF HER	mira		-----	-----	-----	811.376	13.4	BMU	-----	-----	-----	759.390	5.7	BMU
736.4	11.4	CMG	1810+20			812.331	13.3	BMU	1832+25			759.415	5.9	CMG
759.4	12.0	CMG	YY HER	zand		817.329	13.4	BMU	RZ HER	mira		761.451	5.8	BMU
764.4	12.0	CMG	759.4	13.4	CMG	-----	-----	-----	733.5	9.4	CMG	764.364	5.9	CMG
774.4	12.4	CMG	768.4	13.4	CMG	1815+12			754.4	10.2	CMG	764.534	5.7	BVE
804.3	13.3	CMG	774.393	13.4	CMG	V450OPH	mira		761.4	11.1	CMG	765.446	5.8	BMU
810.4	13.7	CMG	804.358	13.4	CMG	761.4	14.5	CMG	768.4	11.3	CMG	771.590	5.9	BVE
817.3	13.8	CMG	812.310	13.4	CMG	817.3	11.5	CMG	774.4	11.4	CMG	772.368	5.8	BMU
-----	-----	-----	-----	-----	-----	-----	-----	-----	810.4	13.1	CMG	772.383	5.9	CMG
1802-22			1810+31			1817+30			815.3	13.2	CMG	773.644	5.9	BVE
VX SGR	mira		TV HER	mira		TV LYR	mira		-----	-----	-----	774.362	5.9	BMU
732.7	9.7	BVE	759.4	14.5	CMG	736.4	10.7	CMG	1832+27			779.403	5.9	BMU
743.6	9.6	BVE	807.3	14.6	CMG	760.4	12.2	CMG	CE LYR	mira		780.604	5.9	BVE
749.6	9.7	BVE	812.3	14.7	CMG	765.4	12.5	CMG	761.4	14.9	CMG	782.257	5.9	CMG
763.6	9.8	BVE	-----	-----	-----	807.3	14.4	CMG	807.4	14.3	CMG	782.350	5.9	BMU
771.6	10.4	BVE	1811+03			812.4	14.6	CMG	817.4	14.2	CMG	784.558	5.9	BVE
780.6	10.2	BVE	RY OPH	mira		-----	-----	-----	-----	-----	-----	785.441	6.0	BMU
790.6	10.2	BVE	733.5	13.4	CMG	1818+28			1833+08			790.592	6.0	BVE
800.6	10.3	BVE	752.4	13.3	CMG	AZ HER	mira		X OPH	mira		792.328	6.1	BMU
807.6	10.4	BVE	761.4	12.7	CMG	761.5	14.5	CMG	736.5	7.4	CMG	793.535	5.9	BVE
814.6	10.8	BVE	768.4	12.0	CMG	-----	-----	-----	752.4	7.3	CMG	799.317	6.2	BMU
-----	-----	-----	774.4	11.9	CMG	1820+39			761.4	7.1	CMG	802.536	5.9	BVE
1805+18			790.6	10.2	BVE	TW LYR	mira		765.7	7.8	BVE	804.297	6.3	BMU
XZ HER	mira		800.5	9.3	BVE	729.4	10.3	CMG	768.4	6.9	CMG	804.312	6.1	CMG
736.4	11.7	CMG	804.3	9.0	CMG	736.4	10.5	CMG	773.6	7.2	BVE	807.290	6.4	BMU
759.4	11.2	CMG	807.5	8.9	BVE	754.4	11.4	CMG	774.4	6.9	CMG	807.555	6.5	BVE
764.3	11.3	CMG	812.3	9.2	CMG	760.4	11.2	CMG	780.6	6.9	BVE	811.301	6.4	CMG
774.4	11.6	CMG	814.5	9.4	BVE	765.4	11.2	CMG	790.6	7.2	BVE	811.347	6.3	BMU

812.317	6.6	CMG	1857+37	765.4	10.4	CMG	745.4	11.7	CMG	790.640	8.0	BVE		
813.544	6.7	BVE	RT LZR	mira	772.4	10.7	CMG	754.4	11.1	CMG	793.538	8.0	BVE	
814.554	6.4	BVE	729.4	11.9	CMG	804.4	11.9	CMG	760.4	11.0	CMG	802.540	8.0	BVE
817.301	6.6	BMU	736.4	12.5	CMG	812.4	12.0	CMG	765.4	10.5	CMG	807.572	7.8	BVE
817.325	6.7	CMG	759.4	12.8	CMG	817.4	12.5	CMG	772.4	10.8	CMG	813.550	7.2	BVE
-----			764.4	13.2	CMG	-----			804.3	11.3	CMG	814.575	7.3	BVE
1846-01			774.4	13.7	CMG	1905+29A			810.4	11.4	CMG	-----		
CI AQL	n:		807.3	14.2	CMG	V LZR	mira		815.3	11.8	CMG	1911-24		
729.434	12.4	CMG	812.4	14.0	CMG	761.5	14.8	CMG	-----			TY SGR	mira	
733.471	12.4	CMG	817.4	14.2	CMG	-----			1909+67			763.6	10.2	BVE
736.408	12.7	CMG	-----			1906+27A			U DRA	mira		771.6	10.1	BVE
736.475	13.2	BMU	1859+47			UV LZR	mira		726.5	10.3	CMG	780.6	9.9	BVE
736.5	13.0	VDE	WZ LZR	mira		760.4	10.7	CMG	733.5	10.3	CMG	790.6	10.1	BVE
745.403	13.1	CMG	736.4	11.3	CMG	765.4	10.3	CMG	754.4	10.1	CMG	800.6	9.9	BVE
759.415	13.6	CMG	760.4	12.1	CMG	772.4	10.4	CMG	760.4	10.1	CMG	807.6	10.2	BVE
759.422	13.8	BMU	765.4	12.7	CMG	804.4	11.2	CMG	765.4	10.3	CMG	814.6	10.8	BVE
760.521	13.5	CMG	772.4	13.1	CMG	812.4	12.0	CMG	765.7	10.6	BVE	-----		
761.412	13.5	CMG	812.4	14.0	CMG	817.4	12.3	CMG	772.4	10.7	CMG	1913+49		
761.449	13.3	BMU	817.4	14.2	CMG	-----			773.7	10.6	BVE	TZ CYG	lb	
764.367	13.4	CMG	-----			1906+43			780.6	10.9	BVE	768.4	10.5	GGU
765.429	13.5	CMG	1901+08			ST LZR	mira		804.4	11.7	CMG	780.4	11.0	GGU
765.461	13.7	BMU	R AQL	mira		736.4	13.6	CMG	810.4	11.9	CMG	787.4	11.2	GGU
772.386	13.5	CMG	729.5	9.9	CMG	761.4	14.6	CMG	815.3	12.0	CMG	798.4	11.1	GGU
774.368	13.4	CMG	732.7	9.7	BVE	812.4	14.9	CMG	-----			809.4	11.2	GGU
774.401	13.6	BMU	736.4	9.5	CMG	-----			1910+46			-----		
780.362	13.9	BMU	736.5	9.5	BMU	1908-19A			SS LZR	mira		1913-19		
782.384	13.6	BMU	740.6	9.4	BVE	RW SGR	mira		736.4	12.2	CMG	S SGR	mira	
785.461	13.6	BMU	747.5	9.2	BVE	732.7	9.3	BVE	760.4	11.8	CMG	780.6	10.5	BVE
786.365	13.5	BMU	759.4	8.4	BMU	743.6	9.8	BVE	765.4	11.5	CMG	790.6	10.6	BVE
804.306	13.8	CMG	759.4	8.8	CMG	749.6	9.7	BVE	772.4	11.3	CMG	800.6	10.9	BVE
807.304	13.8	BMU	764.4	8.5	CMG	763.6	9.6	BVE	804.3	9.3	CMG	807.6	11.3	BVE
811.302	13.7	CMG	764.5	8.6	BVE	771.6	9.8	BVE	810.4	9.3	CMG	814.6	11.6	BVE
812.304	13.9	BMU	771.6	8.0	BVE	780.6	9.9	BVE	815.3	9.6	CMG	-----		
812.305	13.6	CMG	772.3	7.9	CMG	790.6	9.8	BVE	-----			1915+17		
815.299	13.5	CMG	772.4	8.2	BMU	800.6	9.8	BVE	1910-07			W SGE	mira	
-----			780.6	7.7	BVE	807.6	9.9	BVE	W AQL	mira		736.4	13.9	CMG
1848+26			782.4	7.7	BMU	814.6	9.9	BVE	726.5	8.3	CMG	759.4	14.6	CMG
CY LZR	ugss		790.6	7.2	BVE	-----			736.4	8.5	CMG	-----		
779.486	13.4	BMU	792.3	7.4	BMU	190818			759.4	8.9	CMG	1916+37		
780.374	13.5	BMU	799.3	7.0	BMU	RX SGR	mira		764.4	9.1	CMG	U LZR	mira	
782.410	13.4	BMU	800.6	6.8	BVE	732.7	11.1	BVE	772.4	9.1	CMG	745.4	11.1	CMG
783.375	13.4	BMU	804.4	6.9	CMG	743.6	11.2	BVE	804.3	10.0	CMG	760.4	11.1	CMG
785.464	13.5	BMU	807.3	6.8	BMU	749.6	11.2	BVE	812.3	10.1	CMG	761.4	11.3	CMG
786.370	14.3	BMU	807.6	6.8	BVE	763.6	9.8	BVE	817.3	10.2	CMG	768.4	11.1	CMG
-----			810.4	6.8	CMG	771.6	9.2	BVE	-----			774.4	11.2	CMG
1851+29			814.6	6.9	BVE	780.6	9.5	BVE	1910-17			804.3	11.3	CMG
SW LZR	mira:		815.3	6.7	CMG	790.6	9.6	BVE	T SGR	mira		815.3	11.4	CMG
736.4	12.1	CMG	817.3	6.6	BMU	800.6	9.7	BVE	790.6	9.1	BVE	-----		
761.4	13.1	CMG	-----			807.6	9.9	BVE	800.6	8.6	BVE	1918+04		
774.4	13.8	CMG	1901+27			814.6	10.3	BVE	807.6	8.6	BVE	V1494AQL	n	
807.4	14.4	CMG	UU LZR	mira		-----			814.6	9.2	BVE	726.602	10.5	BVE
814.4	14.6	CMG	736.4	12.8	CMG	1909+25			-----			729.434	10.5	CMG
-----			761.4	13.2	CMG	S LZR	mira		1910-19			732.673	10.5	BVE
1854-01			774.4	13.8	CMG	729.4	12.9	CMG	R SGR	mira		733.457	10.5	BMU
VX AQL	rcb:		807.4	14.4	CMG	736.4	13.1	CMG	732.7	9.6	BVE	733.471	10.5	CMG
733.5	12.2	CMG	-----			761.4	13.6	CMG	743.6	10.0	BVE	736.408	10.5	CMG
736.5	12.2	CMG	1903+17			772.4	13.8	CMG	749.6	11.1	BVE	736.469	10.6	BMU
759.4	11.7	CMG	SV SGE	rcb		807.4	14.2	CMG	763.6	11.0	BVE	736.472	10.5	VDE
764.4	11.0	CMG	759.430	11.3	CMG	812.4	14.1	CMG	-----			738.536	10.7	BMU
772.4	10.5	CMG	772.495	11.2	CMG	-----			1910-33			738.538	10.6	VDE
804.3	10.1	CMG	806.324	11.3	CMG	1909+33A			RY SGR	rcb		751.393	10.6	CMG
812.3	10.1	CMG	-----			RS LZR	mira		732.680	8.0	BVE	759.399	10.8	BMU
817.3	10.2	CMG	1904+43			736.4	11.8	CMG	736.580	7.8	BVE	759.415	10.7	CMG
-----			MV LZR	nl		760.4	11.3	CMG	743.621	8.0	BVE	761.412	10.7	CMG
1856+34			804.308	14.7	CMG	765.4	11.0	CMG	747.553	8.1	BVE	761.444	10.9	BMU
Z LZR	mira		807.400	14.8	CMG	772.4	11.2	CMG	749.556	8.4	BVE	764.359	10.8	CMG
761.4	13.2	CMG	812.357	15.0	CMG	804.3	11.8	CMG	763.564	8.1	BVE	765.453	10.8	BMU
768.4	12.8	CMG	812.390	14.8	BMU	810.4	12.0	CMG	764.510	8.0	BVE	769.576	10.9	BMU
774.4	12.5	CMG	-----			815.3	11.9	CMG	765.691	8.1	BVE	772.349	10.8	CMG
804.3	11.3	CMG	1905+27			-----			771.588	7.7	BVE	772.378	11.0	BMU
810.4	11.3	CMG	TY LZR	mira		1909+41			773.649	7.7	BVE	774.368	10.9	CMG
815.3	11.3	CMG	736.4	10.1	CMG	RU LZR	mira		780.591	7.8	BVE	774.369	11.0	BMU
-----			760.4	10.2	CMG	736.4	12.0	CMG	784.560	8.1	BVE	779.418	10.9	BMU

780.369	11.0	BMU	797.411	9.4	BMU	812.308	11.7	BMU	804.3	9.5	CMG	1941+31C		
780.4	11.1	GGU	798.447	9.1	GGU	-----	-----	-----	807.6	9.2	BVE	FY CYG	srb	
780.628	10.8	BVE	799.331	9.3	BMU	1929+28	-----	-----	810.4	9.4	CMG	726.5	13.4	CMG
782.356	11.1	BMU	800.590	9.1	BVE	TY CYG	mira	-----	811.4	9.0	BMU	736.5	13.2	CMG
783.356	11.0	BMU	804.321	9.2	BMU	729.4	11.6	CMG	814.6	8.9	BVE	759.4	13.3	CMG
784.562	11.1	BVE	804.378	9.3	CMG	736.4	11.5	CMG	815.3	9.2	CMG	764.4	13.2	CMG
785.442	11.0	BMU	807.357	9.2	BMU	754.4	10.6	CMG	817.4	8.9	BMU	774.3	13.1	CMG
786.367	11.1	BMU	807.583	8.9	BVE	-----	-----	-----	-----	-----	-----	804.4	13.0	CMG
786.4	11.2	GGU	809.428	9.0	GGU	761.4	10.4	CMG	1935+09	-----	-----	814.4	13.4	CMG
787.4	11.1	GGU	810.426	9.2	CMG	764.6	9.9	BVE	RV AQL	mira	-----	-----	-----	-----
791.525	11.0	BVE	811.367	9.1	BMU	768.4	10.0	CMG	759.4	12.5	CMG	1942+19	-----	-----
792.340	11.1	BMU	814.374	9.2	CMG	771.6	9.4	BVE	764.4	12.1	CMG	RZ VUL	*	-----
793.542	11.1	BVE	814.587	9.0	BVE	774.3	9.8	CMG	772.3	11.2	CMG	759.4	13.7	CMG
797.414	11.1	BMU	817.360	9.0	BMU	780.6	9.4	BVE	810.4	9.1	CMG	761.4	13.6	CMG
799.335	11.1	BMU	817.424	9.1	CMG	790.6	9.5	BVE	815.3	8.9	CMG	764.4	13.6	CMG
800.560	10.9	BVE	-----	-----	-----	800.6	9.6	BVE	-----	-----	-----	807.4	13.7	CMG
802.548	11.2	BVE	1922+01	-----	-----	804.3	9.7	CMG	1937+31	-----	-----	812.368	13.4	CMG
804.299	11.2	BMU	TU AQL	mira	-----	807.6	9.5	BVE	FU CYG	mira	-----	814.412	13.2	CMG
804.306	11.1	CMG	761.5	14.5	CMG	810.4	9.4	CMG	761.4	15.1	CMG	817.424	13.1	CMG
807.297	11.2	BMU	814.4	13.3	CMG	814.6	9.6	BVE	-----	-----	-----	-----	-----	-----
807.312	11.1	CMG	-----	-----	-----	815.3	9.6	CMG	1939+54	-----	-----	-----	-----	-----
807.560	11.1	BVE	1923+33	-----	-----	-----	-----	-----	V369CYG	mira	-----	1943+11	-----	-----
811.351	11.3	BMU	FL CYG	mira	-----	1933+11	-----	-----	726.5	11.3	CMG	RY AQL	mira	-----
812.301	11.2	BMU	726.5	13.8	CMG	RT AQL	mira	-----	736.4	10.5	CMG	729.5	13.0	CMG
813.547	11.2	BVE	736.4	14.5	CMG	759.4	13.8	CMG	754.4	10.9	CMG	759.4	14.0	CMG
814.388	11.1	CMG	761.4	14.3	CMG	764.4	13.3	CMG	760.4	11.0	CMG	-----	-----	-----
814.581	11.4	BVE	806.4	11.5	CMG	772.3	13.2	CMG	764.4	10.9	CMG	1943+48	-----	-----
817.306	11.3	BMU	810.5	11.4	CMG	804.3	9.5	CMG	769.5	12.0	CMG	TU CYG	mira	-----
817.4	11.1	CMG	815.3	11.4	CMG	810.4	9.4	CMG	776.3	12.9	CMG	726.5	14.2	CMG
-----	-----	-----	-----	-----	-----	815.3	9.2	CMG	804.4	13.3	CMG	733.5	13.9	CMG
1918+05A	-----	-----	1924+71	-----	-----	-----	-----	-----	810.4	12.5	CMG	745.4	12.5	CMG
EM AQL	mira	-----	YZ DRA	mira	-----	1934+11	-----	-----	-----	-----	-----	759.4	11.5	CMG
761.4	13.1	CMG	761.4	11.8	CMG	SV AQL	mira	-----	1940+48	-----	-----	759.5	11.6	BMU
774.4	12.0	CMG	768.4	11.6	CMG	736.4	10.7	CMG	RT CYG	mira	-----	764.4	11.6	CMG
807.3	11.8	CMG	774.4	11.2	CMG	759.4	11.0	CMG	729.4	12.2	CMG	764.6	11.0	BVE
812.3	11.7	CMG	804.4	11.3	CMG	764.4	11.3	CMG	745.4	11.8	CMG	769.5	11.1	CMG
-----	-----	-----	810.4	11.4	CMG	772.3	11.6	CMG	749.6	11.1	BVE	769.6	11.2	BMU
1919+28	-----	-----	815.3	11.5	CMG	-----	-----	-----	754.4	10.8	CMG	771.6	11.0	BVE
DW CYG	mira	-----	-----	-----	-----	1934+28	-----	-----	759.5	10.1	BMU	774.4	10.9	BMU
817.3	11.5	CMG	1927+34	-----	-----	BG CYG	mira	-----	760.4	9.6	CMG	776.3	10.9	CMG
-----	-----	-----	DD CYG	mira	-----	726.5	10.4	CMG	764.4	9.4	CMG	780.4	10.6	BMU
1921+50	-----	-----	726.5	12.6	CMG	736.4	10.1	CMG	764.4	9.0	BVE	780.6	10.2	BVE
CH CYG	zand	-----	733.5	13.3	CMG	754.4	10.1	CMG	769.5	9.1	CMG	786.4	10.2	BMU
729.398	8.6	CMG	736.4	13.0	VDE	761.4	10.2	CMG	769.6	9.1	BMU	790.6	9.7	BVE
732.7	8.2	BVE	736.4	13.1	BMU	768.4	10.0	GGU	771.6	8.7	BVE	792.4	9.9	BMU
733.482	8.6	CMG	745.4	13.7	CMG	768.4	10.2	CMG	774.4	8.8	BMU	799.3	9.8	BMU
736.529	8.7	CMG	759.4	12.9	BMU	774.3	10.3	CMG	776.3	8.8	CMG	800.6	9.6	BVE
738.525	8.7	BMU	759.4	13.2	CMG	780.4	10.1	GGU	780.4	8.5	BMU	804.3	9.7	BMU
738.526	9.1	VDE	764.4	12.8	CMG	787.4	10.3	GGU	780.6	8.5	BVE	804.3	10.0	CMG
743.6	8.3	BVE	765.5	12.5	BMU	804.3	10.4	CMG	786.4	8.4	BMU	807.6	9.6	BVE
745.396	9.0	CMG	772.4	11.9	BMU	810.4	10.5	CMG	790.6	7.8	BVE	810.4	10.0	CMG
749.6	9.1	BVE	774.3	11.5	CMG	815.3	10.5	CMG	792.4	8.2	BMU	811.4	10.1	BMU
754.392	9.2	CMG	779.4	11.4	BMU	-----	-----	-----	799.3	7.7	BMU	814.6	10.0	BVE
759.387	9.3	CMG	785.4	11.2	BMU	1934+49	-----	-----	800.6	7.3	BVE	815.3	10.1	CMG
759.467	9.4	BMU	792.4	10.8	BMU	R CYG	mira	-----	804.3	7.4	BMU	817.4	10.3	BMU
764.346	9.3	CMG	797.4	10.6	BMU	729.4	13.4	CMG	804.3	7.4	CMG	-----	-----	-----
764.6	9.2	BVE	804.3	10.4	BMU	736.4	13.3	CMG	807.6	7.2	BVE	1946+04	-----	-----
768.426	9.3	GGU	804.3	10.5	CMG	745.4	13.2	CMG	810.4	7.0	CMG	X AQL	mira	-----
769.569	9.3	BMU	810.4	10.6	CMG	754.4	13.0	CMG	811.4	7.2	BMU	759.4	12.3	CMG
771.6	9.4	BVE	811.4	10.4	BMU	759.5	12.6	BMU	814.6	7.3	BVE	764.4	12.2	CMG
772.342	9.3	CMG	815.3	10.6	CMG	760.4	12.7	CMG	815.3	7.4	CMG	772.3	11.3	CMG
772.392	9.4	BMU	817.4	10.5	BMU	765.4	12.7	CMG	817.4	7.1	BMU	780.6	10.3	BVE
774.337	9.3	CMG	-----	-----	-----	769.6	12.1	BMU	-----	-----	-----	790.6	9.3	BVE
774.406	9.4	BMU	1927-00	-----	-----	772.3	12.3	CMG	1940+67	-----	-----	800.6	9.0	BVE
779.450	9.4	BMU	ES AQL	sr	-----	774.4	11.8	BMU	ZZ DRA	mira	-----	804.3	9.3	CMG
780.426	9.3	GGU	764.3	11.7	CMG	780.4	11.2	GGU	726.5	10.3	CMG	807.6	9.0	BVE
780.427	9.4	BMU	765.456	11.7	BMU	780.6	11.5	BVE	754.4	11.3	CMG	814.4	9.4	CMG
780.6	9.1	BVE	774.397	11.6	BMU	786.4	10.9	BMU	760.4	11.6	CMG	814.6	9.4	BVE
783.362	9.3	BMU	780.367	11.6	BMU	790.6	9.8	BVE	765.4	11.9	CMG	-----	-----	-----
785.451	9.4	BMU	785.480	11.7	BMU	792.4	10.1	BMU	772.4	12.4	CMG	1946+32	-----	-----
787.426	9.3	GGU	804.302	11.7	BMU	799.3	9.7	BMU	804.4	13.9	CMG	CHICYG	mira	-----
790.6	9.4	BVE	807.3	11.8	CMG	800.6	9.3	BVE	810.4	13.9	CMG	729.4	12.9	CMG
792.381	9.4	BMU	812.305	12.0	CMG	804.3	9.5	BMU	-----	-----	-----	736.4	13.2	BMU
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	736.4	13.3	CMG

745.4	13.5	CMG	726.5	10.6	CMG	759.4	12.5	CMG	772.4	10.3	CMG	810.4	8.5	CMG
759.4	13.6	CMG	736.5	10.7	CMG	764.4	12.5	CMG	804.4	10.4	CMG	817.3	8.9	CMG
759.4	13.7	BMU	759.4	11.2	CMG	774.3	12.9	CMG	810.4	10.4	CMG	-----	-----	-----
764.4	13.6	CMG	764.4	11.1	CMG	-----	-----	-----	815.3	10.4	CMG	2011+30		
765.5	13.6	BMU	774.4	11.2	CMG	1958+49			-----	-----	-----	SX CYG	mira	
772.3	13.6	CMG	807.4	12.4	CMG	Z CYG	mira		2007+20			729.5	14.6	CMG
774.4	13.4	BMU	812.3	12.3	CMG	729.4	9.0	CMG	FG SGE	*		761.4	14.7	CMG
779.4	13.1	BMU	817.3	12.5	CMG	732.7	9.1	BVE	761.455	10.1	BMU	807.4	14.0	CMG
785.4	12.7	BMU	-----	-----	-----	736.4	9.0	CMG	774.372	10.0	BMU	812.4	13.6	CMG
792.4	12.3	BMU	1953+77			743.6	9.1	BVE	780.457	10.2	BMU	817.3	13.4	CMG
797.4	12.1	BMU	AB DRA	ugz		745.4	8.9	CMG	782.359	10.1	BMU	-----	-----	-----
804.3	11.7	CMG	729.470	13.8	CMG	749.6	9.2	BVE	783.360	10.2	BMU	2012+09		
804.3	11.9	BMU	736.422	12.9	CMG	754.4	9.0	CMG	785.444	10.3	BMU	RU DEL	mira	
807.6	11.9	BVE	759.388	13.7	CMG	760.4	9.0	CMG	786.451	10.4	BMU	729.4	12.6	CMG
810.4	11.3	CMG	764.440	13.1	CMG	764.6	9.4	BVE	792.341	10.5	BMU	-----	-----	-----
811.4	11.5	BMU	765.447	12.8	CMG	765.4	9.1	CMG	797.415	10.6	BMU	2013+76		
814.6	11.2	BVE	774.405	14.0	CMG	771.6	9.2	BVE	799.326	10.6	BMU	SZ CEP	mira	
815.3	11.3	CMG	776.356	13.5	CMG	772.3	9.2	CMG	804.325	10.7	BMU	736.5	13.8	CMG
817.3	11.2	BMU	780.415	13.2	BMU	780.6	9.4	BVE	807.300	10.7	BMU	759.4	12.1	CMG
-----	-----	-----	804.4	13.4	CMG	790.6	9.8	BVE	811.354	10.7	BMU	764.4	11.8	CMG
1947+38			812.392	13.5	CMG	800.6	9.8	BVE	817.356	10.6	BMU	774.4	11.4	CMG
FZ CYG	mira		814.385	12.7	CMG	804.3	10.4	CMG	-----	-----	-----	810.4	10.2	CMG
759.4	14.4	CMG	815.322	12.8	CMG	807.6	10.4	BVE	2007+20A			815.3	10.0	CMG
774.3	14.6	CMG	-----	-----	-----	810.4	10.6	CMG	ST SGE	mira		-----	-----	-----
-----	-----	-----	1953-08			814.6	10.8	BVE	759.4	12.6	CMG	2014+34		
1949+17A			RS AQL	mira		815.3	10.8	CMG	761.5	12.6	BMU	AU CYG	mira	
Y SGE	mira		736.5	14.1	CMG	-----	-----	-----	764.4	12.7	CMG	729.5	13.8	CMG
776.4	14.5	CMG	759.4	13.6	CMG	2002+12			772.4	12.4	CMG	736.4	13.3	CMG
-----	-----	-----	764.4	13.7	CMG	SY AQL	mira		774.4	11.6	BMU	754.4	13.2	CMG
1949-29			815.3	12.5	CMG	759.4	14.9	CMG	776.3	11.9	CMG	761.4	12.7	CMG
RR SGR	mira		-----	-----	-----	-----	-----	-----	780.5	11.5	BMU	768.4	12.7	CMG
773.7	11.8	BVE	1955+33			2002+50			792.3	10.6	BMU	774.3	12.5	CMG
780.6	10.9	BVE	V482CYG	rcb		BU CYG	mira		797.4	10.4	BMU	804.3	10.7	CMG
790.6	8.4	BVE	729.428	11.1	CMG	729.4	10.3	CMG	804.3	10.3	BMU	810.4	10.1	CMG
800.6	7.3	BVE	736.4	10.9	VDE	736.4	10.0	CMG	804.4	10.4	CMG	815.3	9.6	CMG
807.6	7.8	BVE	736.431	10.9	BMU	745.4	10.2	CMG	811.4	10.4	BMU	-----	-----	-----
814.6	7.8	BVE	736.528	11.1	CMG	754.4	10.5	CMG	812.3	10.5	CMG	2014+37B		
-----	-----	-----	759.369	11.2	CMG	760.4	11.3	CMG	817.4	10.4	BMU	WX CYG	mira	
1950+55			759.401	11.0	BMU	765.4	11.8	CMG	-----	-----	-----	726.5	13.0	CMG
CU CYG	mira		761.467	11.2	CMG	772.3	12.3	CMG	2008+12			736.4	12.9	CMG
726.5	12.2	CMG	764.434	11.2	CMG	807.4	14.7	CMG	RU AQL	mira		754.4	12.8	CMG
736.4	12.7	CMG	765.481	11.0	BMU	814.4	14.4	CMG	759.4	13.7	CMG	761.4	12.8	CMG
759.4	13.5	CMG	768.375	11.1	CMG	-----	-----	-----	774.4	11.9	CMG	768.4	12.7	CMG
764.4	13.9	CMG	772.383	10.9	BMU	2003+57			807.3	9.9	CMG	774.3	12.4	CMG
774.3	13.8	CMG	774.403	11.0	BMU	S CYG	mira		815.3	10.1	CMG	804.3	11.3	CMG
804.4	12.9	CMG	774.443	11.1	CMG	761.5	15.6	CMG	-----	-----	-----	810.4	11.1	CMG
804.4	13.1	CMG	779.419	10.9	BMU	807.3	13.5	CMG	2009+16			815.3	11.0	CMG
810.4	12.7	CMG	782.361	11.0	BMU	812.4	13.3	CMG	R SGE	rvb		-----	-----	-----
817.3	12.4	CMG	786.372	10.9	BMU	817.3	13.2	CMG	736.410	9.0	CMG	2015+20		
-----	-----	-----	792.363	10.9	BMU	-----	-----	-----	759.430	9.0	CMG	V SGE	nl + e	
1951+36A			797.410	10.9	BMU	2005-14			764.367	9.0	CMG	729.452	10.9	CMG
IZ CYG	mira		804.312	10.9	BMU	R CAP	mira		772.389	9.2	CMG	733.488	11.1	CMG
726.5	10.5	CMG	806.324	11.1	CMG	736.5	12.3	CMG	804.428	9.1	CMG	736.419	11.2	CMG
736.5	10.3	CMG	807.356	10.9	BMU	761.4	10.7	CMG	815.325	9.4	CMG	736.478	11.4	BMU
759.4	10.7	CMG	811.288	11.1	CMG	774.4	10.2	CMG	-----	-----	-----	754.404	11.4	CMG
764.4	10.5	CMG	811.357	10.8	BMU	811.3	10.3	CMG	2009-06			759.400	11.3	BMU
769.5	10.5	CMG	815.322	11.0	CMG	817.4	10.3	CMG	Z AQL	mira		759.430	11.4	CMG
776.3	10.4	CMG	817.348	10.8	BMU	-----	-----	-----	726.5	13.6	CMG	760.585	11.4	CMG
804.4	11.4	CMG	-----	-----	-----	2007+06			736.5	14.0	CMG	761.414	10.9	CMG
810.5	11.3	CMG	1955+51			TV AQL	mira		759.4	14.3	CMG	761.453	11.2	BMU
815.3	11.5	CMG	CM CYG	mira		759.4	11.2	CMG	764.4	13.7	CMG	764.358	10.8	CMG
-----	-----	-----	729.4	10.6	CMG	764.4	11.3	CMG	804.4	10.2	CMG	765.439	10.9	CMG
1951-42			736.4	10.6	CMG	774.4	11.0	CMG	812.3	9.6	CMG	765.481	10.7	BMU
RU SGR	mira		754.4	10.5	CMG	811.3	11.1	CMG	817.3	10.1	CMG	768.368	10.7	CMG
765.7	7.3	BVE	772.3	10.8	CMG	817.3	11.2	CMG	-----	-----	-----	769.579	11.3	BMU
773.7	8.0	BVE	804.4	12.6	CMG	-----	-----	-----	2010+08			772.381	11.5	BMU
780.6	7.7	BVE	810.4	12.8	CMG	2007+15A			R DEL	mira		772.393	11.4	CMG
790.6	7.9	BVE	817.3	13.0	CMG	S AQL	sr		729.4	12.2	CMG	774.370	11.2	BMU
807.6	9.0	BVE	-----	-----	-----	729.4	10.4	CMG	736.4	11.9	CMG	774.438	11.2	CMG
814.6	9.4	BVE	1956+35			736.4	10.2	CMG	764.4	11.1	CMG	776.344	10.8	CMG
-----	-----	-----	KM CYG	mira		745.4	10.2	CMG	772.4	10.2	CMG	779.447	11.8	BMU
1952-02			726.5	13.2	CMG	759.4	10.2	CMG	782.4	9.3	BMU	780.372	12.2	BMU
RR AQL	mira		736.4	13.1	CMG	764.4	10.3	CMG	804.4	8.8	CMG	782.358	11.9	BMU

783.358	11.8	BMU	790.6	11.4	BVE	761.4	14.8	CMG	807.4	15.3	CMG	736.4	10.3	CMG
785.442	11.6	BMU	792.4	11.5	BMU	-----	-----	-----	-----	-----	-----	743.6	11.0	BVE
786.450	11.2	BMU	799.3	11.3	BMU	2035+37			2039-05			759.4	12.1	CMG
792.346	11.5	BMU	800.6	11.3	BVE	FF CYG	mira		Y AQR	mira		764.4	12.1	CMG
797.417	11.5	BMU	804.3	11.3	BMU	729.4	12.5	CMG	726.5	13.9	CMG	772.4	12.1	CMG
799.326	11.7	BMU	804.3	11.4	CMG	736.5	12.8	CMG	736.5	14.2	CMG	782.4	12.7	BMU
804.306	11.2	CMG	807.6	10.9	BVE	759.4	13.5	CMG	760.5	14.5	CMG	807.4	13.8	CMG
804.324	11.4	BMU	810.4	11.1	CMG	774.3	13.8	CMG	765.4	14.3	CMG	812.3	14.0	CMG
806.320	10.9	CMG	811.4	11.1	BMU	807.3	14.1	CMG	812.3	13.5	CMG	817.3	14.0	CMG
807.299	11.5	BMU	814.6	10.9	BVE	812.4	13.9	CMG	817.3	13.4	CMG	-----	-----	-----
807.320	11.4	CMG	815.3	10.8	CMG	-----	-----	-----	-----	-----	-----	2050+30A		
811.305	11.0	CMG	817.4	11.1	BMU	2035-01			2040+16			UX CYG	mira	
811.353	11.2	BMU	-----	-----	-----	AE AQR			T DEL	mira		761.4	11.6	CMG
812.345	11.0	CMG	2025+09			765.717	11.9	BVE	729.5	14.5	CMG	768.4	10.7	CMG
814.370	10.7	CMG	RY DEL	mira		784.571	11.5	BVE	759.4	14.8	CMG	774.3	10.4	CMG
815.299	10.7	CMG	761.4	13.6	CMG	790.655	11.5	BVE	782.4	14.2	BMU	804.3	10.4	CMG
817.336	10.7	CMG	-----	-----	-----	793.544	11.3	BVE	814.4	13.7	CMG	810.4	10.6	CMG
817.355	10.9	BMU	2025+12			802.546	11.4	BVE	-----	-----	-----	815.3	10.4	CMG
-----	-----	-----	RX DEL	mira		807.637	11.5	BVE	2041+02			-----	-----	-----
2015+59			729.4	12.2	CMG	813.553	11.4	BVE	V AQR	sra		2055+47		
CN CYG	mira		761.4	10.9	CMG	814.635	11.3	BVE	765.7	8.6	BVE	DH CYG	mira	
726.5	10.6	CMG	768.4	11.2	CMG	-----	-----	-----	775.8	8.6	BVE	726.5	13.8	CMG
736.4	10.2	CMG	807.4	13.3	CMG	2036+11			784.6	8.6	BVE	736.4	13.2	CMG
754.4	10.2	CMG	812.3	13.6	CMG	Y DEL	mira		790.7	8.2	BVE	759.4	11.1	CMG
761.4	10.5	CMG	-----	-----	-----	729.4	11.9	CMG	807.6	8.9	BVE	764.4	10.9	CMG
768.4	10.8	CMG	2028+17			736.4	12.2	CMG	814.6	9.0	BVE	772.4	10.5	CMG
774.3	11.2	CMG	Z DEL	mira		759.4	12.8	CMG	-----	-----	-----	776.3	10.5	CMG
804.4	13.2	CMG	729.4	11.3	CMG	764.4	13.1	CMG	2041-04			804.3	10.7	CMG
810.4	13.5	CMG	736.4	11.1	CMG	774.4	13.8	CMG	W AQR	mira		810.5	10.9	CMG
817.3	13.9	CMG	759.4	10.2	CMG	807.4	14.5	CMG	726.5	10.3	CMG	815.3	10.9	CMG
-----	-----	-----	764.4	10.1	CMG	-----	-----	-----	736.5	10.8	CMG	-----	-----	-----
2016+21			765.7	10.3	BVE	2037+18			760.5	11.4	CMG	2059+23A		
PU VUL	n		772.4	9.8	CMG	HR DEL	nb		765.4	11.8	CMG	R VUL	mira	
733.488	11.6	CMG	773.7	9.6	BVE	782.365	12.0	BMU	774.4	11.7	CMG	726.5	8.2	CMG
736.478	11.6	VDE	780.6	9.4	BVE	-----	-----	-----	804.4	12.9	CMG	733.5	8.1	CMG
736.478	11.8	BMU	782.4	9.2	BMU	2038+16			811.3	13.0	CMG	754.4	8.2	CMG
754.404	11.6	CMG	790.6	9.4	BVE	S DEL	mira		817.3	13.0	CMG	760.6	9.2	CMG
759.399	11.7	BMU	800.6	9.7	BVE	729.4	11.4	CMG	-----	-----	-----	764.4	9.1	CMG
761.414	11.6	CMG	804.4	9.8	CMG	736.4	11.4	CMG	2043+18			772.4	9.8	CMG
765.478	11.6	BMU	807.6	9.7	BVE	759.4	11.4	CMG	V DEL	mira		804.4	12.4	CMG
768.375	11.6	CMG	810.4	9.9	CMG	764.4	11.3	CMG	761.4	14.7	CMG	810.5	12.6	CMG
772.381	11.7	BMU	814.6	10.0	BVE	772.4	11.1	CMG	814.4	14.6	CMG	815.3	12.3	CMG
779.446	11.7	BMU	817.3	9.8	CMG	782.4	10.1	BMU	-----	-----	-----	-----	-----	-----
782.358	11.8	BMU	-----	-----	-----	804.4	9.1	CMG	2044-05			2101+29		
786.449	11.8	BMU	2029+54			810.4	8.9	CMG	T AQR	mira		TW CYG	mira	
792.345	11.8	BMU	ST CYG	mira		817.3	8.8	CMG	726.5	12.5	CMG	729.5	14.5	CMG
797.417	11.7	BMU	736.4	12.9	CMG	-----	-----	-----	736.5	12.4	CMG	761.4	14.5	CMG
804.323	11.8	BMU	754.4	12.0	CMG	2038+47			760.5	10.5	CMG	776.4	14.1	CMG
806.320	11.6	CMG	761.4	11.0	CMG	V CYG	mira		765.4	9.9	CMG	804.3	12.8	CMG
811.353	11.6	BMU	768.4	10.7	CMG	736.4	12.1	CMG	765.7	10.0	BVE	810.4	12.8	CMG
814.370	11.6	CMG	774.3	10.4	CMG	745.4	12.5	CMG	774.4	9.4	CMG	815.3	12.7	CMG
817.354	11.7	BMU	804.4	10.5	CMG	754.4	12.8	CMG	775.8	9.6	BVE	-----	-----	-----
-----	-----	-----	810.4	10.5	CMG	761.4	12.8	CMG	784.6	8.7	BVE	2103+82		
2016+47			815.3	10.5	CMG	765.4	12.8	CMG	790.7	8.7	BVE	X CEP	mira	
U CYG	mira		-----	-----	-----	774.3	12.9	CMG	800.6	7.6	BVE	812.4	14.9	CMG
732.7	11.0	BVE	2029+62			804.3	12.9	CMG	804.4	7.8	CMG	-----	-----	-----
736.4	10.9	CMG	BF CEP	mira		810.4	12.9	CMG	807.6	7.9	BVE	2104+05		
736.4	11.3	BMU	761.4	14.7	CMG	815.3	12.9	CMG	811.3	7.8	CMG	RR EQU	mira	
736.4	11.4	VDE	776.4	14.0	CMG	-----	-----	-----	814.6	7.9	BVE	761.4	12.9	CMG
743.6	11.2	BVE	807.3	14.2	CMG	2039+37			817.3	7.8	CMG	765.4	12.4	CMG
745.4	11.0	CMG	812.3	14.0	CMG	DR CYG	mira		-----	-----	-----	774.4	11.8	CMG
749.6	11.2	BVE	-----	-----	-----	729.4	13.6	CMG	2048+46			804.4	9.6	CMG
754.4	11.2	CMG	2033+26			736.5	14.0	CMG	RZ CYG	sr		810.4	9.5	CMG
759.4	11.5	BMU	BD VUL	mira		759.4	14.4	CMG	736.4	12.5	CMG	815.3	9.3	CMG
760.4	11.2	CMG	729.5	10.5	CMG	774.3	14.8	CMG	761.4	13.1	CMG	-----	-----	-----
764.6	11.2	BVE	736.5	10.7	CMG	807.3	14.7	CMG	768.4	13.5	CMG	2104+09		
765.4	11.4	CMG	760.6	10.8	CMG	812.4	14.7	CMG	774.3	13.5	CMG	Z EQU	mira	
771.6	11.4	BVE	772.4	10.9	CMG	-----	-----	-----	804.3	13.5	CMG	814.4	14.5	CMG
772.3	11.4	CMG	804.4	12.3	CMG	2039+42			810.4	13.6	CMG	-----	-----	-----
772.4	11.3	BMU	812.4	11.8	CMG	DG CYG	mira		-----	-----	-----	2104+15		
779.4	11.4	BMU	-----	-----	-----	729.5	13.9	CMG	2050+17			TZ PEG	mira	
780.6	11.5	BVE	2035+13			736.4	14.2	CMG	X DEL	mira		729.5	13.2	CMG
786.4	11.6	BMU	SS DEL	mira		759.4	14.6	CMG	729.4	10.0	CMG	736.5	13.5	CMG

760.5	10.5	CMG	782.4	7.2	GGU	772.4	9.8	BMU	760.359	11.7	CMG	812.3	14.7	CMG
765.4	10.2	CMG	784.6	7.5	BVE	774.4	9.9	CMG	761.403	11.6	CMG	-----	-----	-----
774.4	9.8	CMG	790.7	8.0	BVE	779.5	10.0	BMU	761.462	11.5	BMU	2143+73	-----	-----
804.4	9.2	CMG	797.4	7.8	BMU	797.4	10.2	BMU	764.346	11.8	CMG	PQ CEP	mira:	-----
810.4	9.4	CMG	804.4	8.0	CMG	804.4	10.1	CMG	764.567	11.5	BVE	729.4	10.5	CMG
815.3	9.5	CMG	807.4	8.1	BMU	807.4	10.3	BMU	765.361	11.7	CMG	754.4	10.6	CMG
817.4	9.5	CMG	807.7	8.2	BVE	810.4	10.2	CMG	765.491	11.7	BMU	759.5	10.9	BMU
-----	-----	-----	809.4	8.3	GGU	817.3	10.7	CMG	765.705	11.6	BVE	761.4	10.7	CMG
2105-04	-----	-----	810.4	8.3	CMG	-----	-----	-----	768.351	11.9	CMG	768.4	10.8	CMG
RS AQR	mira	-----	814.6	8.2	BVE	2130+38	-----	-----	769.536	11.7	CMG	772.4	11.2	BMU
760.6	11.4	CMG	815.3	8.5	CMG	V1426CYG	mira	-----	769.567	11.9	BMU	774.4	10.9	CMG
765.4	11.0	CMG	817.4	8.3	BMU	736.4	11.2	VDE	771.608	11.7	BVE	779.5	11.2	BMU
765.7	10.8	BVE	-----	-----	-----	736.4	11.3	BMU	772.342	11.8	CMG	807.3	11.9	CMG
774.4	10.7	CMG	2109-03	-----	-----	736.5	11.5	CMG	772.388	11.6	BMU	807.4	11.7	BMU
775.8	10.4	BVE	RR AQR	mira	-----	754.4	11.1	CMG	773.676	11.8	BVE	812.3	11.9	CMG
784.6	9.8	BVE	760.6	10.5	CMG	759.4	10.7	BMU	774.337	11.8	CMG	817.3	12.0	CMG
790.7	10.4	BVE	765.4	10.4	CMG	760.4	10.8	CMG	774.378	11.7	BMU	-----	-----	-----
807.3	10.3	CMG	765.7	10.2	BVE	765.4	10.4	CMG	775.815	11.5	BVE	2144+43	-----	-----
807.6	9.8	BVE	774.4	10.5	CMG	772.4	10.3	BMU	776.338	11.7	CMG	WY CYG	mira	-----
812.3	10.3	CMG	775.8	10.4	BVE	772.4	10.5	CMG	779.422	11.9	BMU	733.5	13.3	CMG
814.6	10.1	BVE	784.6	11.0	BVE	779.4	10.3	BMU	780.377	12.1	BMU	745.4	12.7	CMG
817.3	10.5	CMG	790.7	10.9	BVE	785.4	10.2	BMU	780.619	11.8	BVE	754.4	12.4	CMG
-----	-----	-----	807.3	11.5	CMG	792.4	10.2	BMU	782.360	12.1	BMU	760.4	12.2	CMG
2105-16	-----	-----	807.6	11.7	BVE	799.3	10.1	BMU	783.355	11.7	BMU	765.4	11.9	CMG
Z CAP	mira	-----	812.3	11.6	CMG	804.3	10.0	BMU	784.565	11.9	BVE	772.3	11.4	CMG
761.5	11.2	CMG	814.6	11.8	BVE	806.3	10.3	CMG	785.445	11.9	BMU	804.3	9.6	CMG
774.4	11.0	CMG	-----	-----	-----	810.5	10.3	CMG	786.374	11.9	BMU	810.4	10.2	CMG
812.4	9.6	CMG	2116+14	-----	-----	811.4	10.1	BMU	790.621	11.9	BVE	815.3	9.7	CMG
-----	-----	-----	X PEG	mira	-----	815.3	10.3	CMG	791.521	11.9	BVE	-----	-----	-----
2106+12	-----	-----	726.5	11.2	CMG	817.4	10.1	BMU	792.367	11.2	BMU	2145+37	-----	-----
AN PEG	mira	-----	736.5	12.0	CMG	-----	-----	-----	793.531	11.9	BVE	RT CEP	mira	-----
729.5	12.6	CMG	760.5	12.8	CMG	2136+78	-----	-----	795.615	11.8	BVE	764.4	14.9	CMG
736.5	13.4	CMG	765.4	13.3	CMG	S CEP	mira	-----	796.621	11.8	BVE	-----	-----	-----
760.5	13.8	CMG	774.4	13.7	CMG	729.4	10.5	CMG	797.412	10.9	BMU	2146+12	-----	-----
765.4	14.2	CMG	804.4	13.4	CMG	736.4	10.5	CMG	798.396	8.7	BMU	AG PEG	n	-----
-----	-----	-----	810.4	13.1	CMG	754.4	10.7	CMG	799.328	8.3	BMU	793.5	8.7	BVE
2108+12	-----	-----	817.3	11.8	CMG	759.5	10.4	BMU	800.312	8.4	BMU	807.724	8.8	BVE
R EQU	mira	-----	-----	-----	-----	761.4	10.6	CMG	800.606	8.8	BVE	814.673	8.7	BVE
760.5	11.5	CMG	2116-15	-----	-----	765.4	10.3	GGU	802.542	9.2	BVE	-----	-----	-----
764.4	11.2	CMG	T CAP	mira	-----	768.4	10.7	CMG	804.293	10.7	CMG	2151+47	-----	-----
772.4	10.4	CMG	761.5	12.3	CMG	772.4	10.3	BMU	804.317	10.5	BMU	LV CYG	mira	-----
804.4	9.9	CMG	774.5	11.7	CMG	774.4	10.5	CMG	806.318	11.1	CMG	769.5	13.8	CMG
810.4	10.0	CMG	-----	-----	-----	779.5	10.4	BMU	807.283	11.4	CMG	804.4	11.3	CMG
815.3	10.0	CMG	2117+21	-----	-----	782.4	10.1	GGU	807.301	11.3	BMU	810.4	11.4	CMG
-----	-----	-----	SW PEG	mira	-----	790.7	10.0	BVE	807.601	11.3	BVE	817.4	10.7	CMG
2108+36	-----	-----	760.5	13.7	CMG	797.4	10.1	BMU	810.444	11.7	CMG	-----	-----	-----
DU CYG	mira	-----	765.4	13.5	CMG	804.4	10.4	CMG	811.285	11.9	CMG	2152+47A	-----	-----
726.5	11.0	CMG	807.4	11.6	CMG	807.4	9.9	BMU	811.363	12.1	BMU	LX CYG	mira	-----
736.4	10.8	CMG	812.4	12.1	CMG	807.7	10.0	BVE	812.275	11.6	CMG	726.5	11.3	CMG
745.4	10.8	CMG	817.4	12.2	CMG	809.4	10.3	GGU	812.351	12.1	BMU	729.5	11.4	CMG
754.4	10.8	CMG	-----	-----	-----	810.4	10.3	CMG	813.555	11.9	BVE	736.4	11.5	CMG
764.4	11.1	CMG	2118+00	-----	-----	814.7	10.0	BVE	814.372	12.0	CMG	759.4	11.7	CMG
769.5	11.0	CMG	RW AQR	mira	-----	815.3	10.4	CMG	814.601	11.9	BVE	764.4	11.8	CMG
776.3	11.4	CMG	760.5	9.8	CMG	817.4	9.9	BMU	815.275	12.0	CMG	769.5	11.9	CMG
804.4	11.5	CMG	765.4	9.6	CMG	-----	-----	-----	817.353	12.2	BMU	804.4	13.3	CMG
810.4	11.6	CMG	807.4	10.5	CMG	2138+43	-----	-----	-----	-----	-----	810.4	13.3	CMG
-----	-----	-----	812.3	10.8	CMG	SS CYG	ugss	-----	2140+12	-----	-----	817.4	13.1	CMG
2108+68	-----	-----	817.3	11.8	CMG	729.406	12.1	CMG	TU PEG	mira	-----	-----	-----	-----
T CEP	mira	-----	-----	-----	-----	733.456	11.6	BMU	726.5	12.3	CMG	2156+05	-----	-----
726.5	6.4	CMG	2122+16	-----	-----	733.464	12.2	CMG	736.5	12.7	CMG	V PEG	mira	-----
736.4	6.0	CMG	TV PEG	mira	-----	736.384	8.6	CMG	760.5	13.3	CMG	760.5	11.4	CMG
736.5	6.3	BMU	729.5	12.4	CMG	736.428	8.3	BMU	765.4	13.8	CMG	765.4	11.2	CMG
754.4	6.4	CMG	736.5	12.7	CMG	736.429	8.4	VDE	812.4	13.3	CMG	774.4	10.1	CMG
759.4	6.5	BMU	760.5	14.5	CMG	738.524	8.6	BMU	817.4	13.6	CMG	804.4	8.5	CMG
761.4	6.8	CMG	-----	-----	-----	738.524	8.7	VDE	-----	-----	-----	810.4	8.6	CMG
765.4	6.6	BMU	2125+6	-----	-----	743.630	8.4	BVE	2140+24	-----	-----	815.3	8.6	CMG
765.4	6.9	GGU	AX CEP	mira	-----	745.396	8.4	CMG	RR PEG	mira	-----	-----	-----	-----
765.7	6.6	BVE	729.4	9.3	CMG	749.585	10.2	BVE	726.5	11.7	CMG	2157+01	-----	-----
768.4	6.8	CMG	736.4	9.6	CMG	751.393	10.7	CMG	736.5	12.7	CMG	VY PEG	mira	-----
772.4	7.0	BMU	754.4	9.9	CMG	752.427	10.9	CMG	760.5	13.9	CMG	760.5	11.7	CMG
773.7	6.6	BVE	759.5	9.5	BMU	754.397	11.4	CMG	765.4	14.0	CMG	765.4	12.0	CMG
774.4	7.1	CMG	761.4	9.9	CMG	759.368	11.7	CMG	776.4	14.1	CMG	807.4	13.8	CMG
779.5	7.3	BMU	768.4	9.9	CMG	759.410	11.7	BMU	807.4	14.6	CMG	812.4	13.8	CMG

-----	736.472	12.6	CMG	790.7	10.8	BVE	RW PEG	mira	765.4	10.8	CMG	
2159+34	759.424	12.6	BMU	804.4	11.8	CMG	726.5	9.4	CMG	772.5	10.9	CMG
RT PEG	760.519	12.4	CMG	810.5	11.9	CMG	736.5	9.6	CMG	779.5	11.0	BMU
760.5	761.451	12.2	CMG	817.3	12.3	CMG	759.4	9.4	CMG	804.4	12.0	CMG
765.4	761.465	11.9	BMU	-----	-----	-----	764.4	9.8	CMG	807.3	11.9	BMU
772.4	764.389	11.4	CMG	2229+24	-----	-----	765.8	10.4	BVE	810.4	12.4	CMG
804.4	765.396	11.8	CMG	SS PEG	mira	-----	772.4	10.2	CMG	817.3	12.4	CMG
810.4	765.494	11.2	BMU	760.5	13.4	CMG	775.9	10.3	BVE	-----	-----	-----
815.3	768.381	10.7	CMG	765.4	12.9	CMG	779.5	10.6	BMU	2315+39	-----	-----
-----	769.539	11.4	CMG	774.4	12.4	CMG	783.9	10.8	BVE	RY AND	mira	-----
2201+33B	774.412	11.8	BMU	804.4	12.1	CMG	785.5	10.9	BMU	761.5	14.7	CMG
RZ PEG	774.422	11.9	CMG	810.4	11.9	CMG	793.6	11.2	BVE	807.4	12.2	CMG
726.5	779.458	12.4	BMU	817.4	11.7	CMG	804.4	12.2	CMG	812.4	11.9	CMG
736.5	780.431	12.5	BMU	-----	-----	-----	807.3	12.4	BMU	817.4	11.5	CMG
760.5	782.412	12.6	BMU	2238+41	-----	-----	810.4	12.5	CMG	-----	-----	-----
765.4	783.383	12.6	BMU	R LAC	mira	-----	817.4	12.8	BMU	2318+78	-----	-----
804.4	785.452	12.6	BMU	729.5	14.2	CMG	817.4	12.8	CMG	RY CEP	mira	-----
810.4	786.376	12.6	BMU	736.5	13.3	CMG	-----	-----	-----	729.4	10.2	CMG
815.3	804.442	12.6	CMG	759.4	10.7	CMG	2301+10	-----	-----	736.4	10.2	CMG
-----	807.340	12.7	BMU	765.4	10.4	CMG	R PEG	mira	-----	754.4	10.6	CMG
2203+37	807.371	12.5	CMG	765.8	10.6	BVE	726.5	11.5	CMG	761.4	11.1	CMG
W LAC	810.399	12.6	CMG	772.4	9.8	CMG	736.5	11.4	CMG	764.3	11.3	CMG
736.5	810.485	12.6	CMG	775.9	9.8	BVE	760.5	11.2	CMG	768.4	11.6	CMG
759.4	811.321	12.5	CMG	783.9	9.7	BVE	765.4	11.1	CMG	774.4	11.8	CMG
765.4	811.380	12.4	BMU	790.7	9.5	BVE	772.4	10.8	CMG	804.4	12.5	CMG
807.4	812.344	12.3	BMU	804.4	9.2	CMG	779.5	10.7	BMU	810.4	12.2	CMG
812.4	812.351	12.5	CMG	807.7	9.5	BVE	804.4	8.0	CMG	815.3	12.0	CMG
-----	814.372	12.5	CMG	810.5	9.6	CMG	807.3	7.9	BMU	-----	-----	-----
2204+12	815.325	12.5	CMG	814.7	9.5	BVE	810.4	7.8	CMG	2326+42	-----	-----
T PEG	817.336	12.5	CMG	817.3	9.2	CMG	815.3	8.0	CMG	BG AND	mira	-----
760.5	817.365	12.5	BMU	-----	-----	-----	817.4	7.5	BMU	726.5	10.1	CMG
761.5	817.365	12.5	CMG	2245+17	-----	-----	-----	-----	-----	736.5	9.4	CMG
765.4	-----	-----	-----	SX PEG	mira	-----	2307+59	-----	-----	760.6	9.8	CMG
774.4	2213-21	-----	-----	726.5	11.1	CMG	V CAS	mira	-----	765.4	9.8	CMG
779.5	X AQR	mira	-----	736.5	11.2	CMG	729.4	9.8	CMG	772.4	9.9	CMG
807.3	784.6	11.9	BVE	760.5	12.1	CMG	736.4	9.9	CMG	804.4	12.0	CMG
807.4	-----	-----	-----	765.4	12.1	CMG	752.4	10.8	CMG	810.4	12.6	CMG
812.3	2219-38	-----	-----	774.4	12.5	CMG	759.4	11.0	BMU	817.4	12.5	CMG
817.3	T GRU	mira	-----	804.4	12.9	CMG	760.6	11.0	CMG	-----	-----	-----
817.4	765.7	9.8	BVE	810.4	13.0	CMG	765.4	11.2	GGU	2328+48	-----	-----
-----	775.8	9.2	BVE	817.4	13.3	CMG	768.4	11.3	CMG	Z AND	zand	-----
2206+13	784.6	10.8	BVE	-----	-----	-----	772.4	11.4	BMU	726.545	11.0	CMG
Y PEG	790.7	8.1	BVE	2247+63	-----	-----	774.4	11.5	CMG	736.483	11.0	CMG
726.5	807.7	9.2	BVE	VX CEP	mira	-----	779.4	11.7	BMU	736.497	10.8	VDE
736.5	814.6	9.7	BVE	810.4	11.8	CMG	782.4	11.9	GGU	736.497	11.0	BMU
760.5	-----	-----	-----	815.3	11.5	CMG	786.4	12.1	BMU	759.427	10.9	BMU
765.4	2219-48	-----	-----	-----	-----	-----	797.4	12.4	BMU	761.476	10.8	CMG
774.4	S GRU	mira	-----	2255+42	-----	-----	798.4	12.4	GGU	764.441	11.0	CMG
807.4	765.7	7.7	BVE	SZ AND	mira	-----	804.3	12.0	CMG	765.499	10.8	BMU
812.4	775.8	7.3	BVE	760.6	12.8	CMG	807.3	12.1	BMU	768.391	11.0	CMG
-----	790.7	7.7	BVE	765.4	12.1	CMG	809.4	11.8	GGU	772.403	11.0	BMU
2207+14	807.7	8.0	BVE	772.4	11.5	CMG	810.4	12.2	CMG	774.438	10.9	CMG
RS PEG	814.6	8.0	BVE	804.4	10.9	CMG	815.3	11.7	CMG	775.9	10.7	BVE
736.5	-----	-----	-----	810.4	11.0	CMG	-----	-----	-----	779.427	11.0	BMU
760.5	2221+29	-----	-----	815.3	11.2	CMG	2314+25	-----	-----	782.395	11.0	BMU
765.4	RV PEG	mira	-----	-----	-----	-----	W PEG	mira	-----	786.412	10.9	BMU
774.4	759.4	10.4	CMG	2258+59	-----	-----	726.5	9.0	CMG	790.7	10.3	BVE
804.4	772.4	10.0	CMG	UV CAS	rcb	-----	736.5	9.0	CMG	792.387	10.2	BMU
812.4	772.7	10.4	CMG	736.533	11.1	CMG	759.5	9.7	BMU	797.419	9.8	BMU
817.3	804.4	9.9	CMG	759.434	11.2	BMU	760.5	9.3	CMG	799.350	9.7	BMU
-----	810.4	10.4	CMG	764.428	11.1	CMG	765.4	9.5	CMG	804.311	9.7	BMU
2207+54	815.3	10.4	CMG	772.407	11.0	BMU	772.4	9.6	CMG	804.404	9.9	CMG
AB CEP	-----	-----	-----	772.447	11.1	CMG	779.5	10.0	BMU	807.327	9.7	BMU
759.4	2224+39	-----	-----	776.350	11.1	CMG	804.4	10.2	CMG	807.415	9.8	CMG
764.4	S LAC	mira	-----	779.432	11.0	BMU	807.3	10.4	BMU	807.694	9.7	BVE
776.4	726.5	8.2	CMG	786.433	11.1	BMU	810.4	10.2	CMG	810.399	9.8	CMG
807.3	736.5	8.3	CMG	797.424	11.1	BMU	815.3	10.0	CMG	811.385	9.7	BMU
812.3	759.4	8.7	CMG	806.324	11.0	CMG	-----	-----	-----	812.376	9.8	CMG
817.3	765.4	8.9	CMG	807.320	11.0	BMU	2315+08	-----	-----	814.388	9.8	CMG
-----	765.8	8.5	BVE	814.374	11.1	CMG	S PEG	mira	-----	814.685	9.5	BVE
2209+12	772.4	9.6	CMG	815.322	11.1	CMG	726.5	8.9	CMG	817.353	9.7	CMG
RU PEG	775.9	10.6	BVE	-----	-----	-----	736.5	9.1	CMG	817.378	9.6	BMU
726.523	783.8	10.9	BVE	2259+14	-----	-----	760.5	10.5	CMG	-----	-----	-----

2331+09		782.4	11.8	GGU	812.4	14.5	CMG	
FF PEG	mira	804.3	11.7	CMG	-----			
736.5	10.6	CMG	809.4	11.8	GGU	2359+39		
760.5	10.2	CMG	810.4	11.8	CMG	SV AND	mira	
765.4	10.4	CMG	815.3	11.7	CMG	726.5	11.0	CMG
807.3	13.1	CMG	-----		760.6	12.5	CMG	
812.4	13.2	CMG	2352+55		765.4	12.7	CMG	
817.4	13.4	CMG	WY CAS	mira	772.4	13.0	CMG	
-----			736.5	14.5	CMG	807.3	14.5	CMG
2333+35			761.5	14.6	CMG	812.3	14.0	CMG
ST AND	sra	-----	-----		817.4	14.3	CMG	
729.5	10.2	CMG	2352-09					
736.5	10.2	CMG	V CET	mira				
760.6	9.5	CMG	810.5	11.2	CMG			
765.4	9.6	CMG	817.4	10.3	CMG			
772.4	9.5	CMG	-----					
807.4	9.3	CMG	2353+50					
812.3	9.2	CMG	R CAS	mira				
817.4	9.3	CMG	729.4	9.8	CMG			
-----			736.5	9.2	VDE			
2338-15			736.5	9.6	BMU			
R AQR	mira		736.5	9.6	CMG			
760.6	7.1	CMG	752.4	9.0	CMG			
765.7	7.3	BVE	759.4	7.5	BMU			
775.8	7.9	BVE	760.6	7.6	CMG			
783.9	8.0	BVE	765.8	7.5	BVE			
790.7	7.8	BVE	768.4	7.3	CMG			
807.7	8.3	BVE	772.4	6.6	BMU			
810.5	8.6	CMG	774.4	6.2	CMG			
814.6	8.6	BVE	775.9	6.5	BVE			
817.4	8.7	CMG	779.4	6.2	BMU			
-----			783.4	5.9	BMU			
2339+56			783.9	5.9	BVE			
Z CAS	mira		790.7	6.0	BVE			
736.5	14.9	CMG	792.3	5.7	BMU			
761.4	14.7	CMG	797.4	5.7	BMU			
799.4	13.7	BMU	804.3	5.8	BMU			
804.4	14.0	CMG	804.3	5.9	CMG			
812.4	13.4	BMU	807.7	6.0	BVE			
812.4	13.7	CMG	809.4	6.1	GGU			
817.4	13.4	CMG	810.4	5.8	CMG			
-----			811.3	6.1	BMU			
2343+15			814.7	6.1	BVE			
DL PEG	mira		815.3	5.9	CMG			
760.5	13.1	CMG	817.3	6.2	BMU			
807.4	10.3	CMG	-----					
812.4	10.3	CMG	2355+25					
817.4	10.3	CMG	Z PEG	mira				
-----			726.5	9.5	CMG			
2349+56			736.5	10.2	CMG			
RHOCAS	srd		759.4	11.1	CMG			
772.5	5.0	BMU	759.5	11.4	BMU			
774.4	5.2	CMG	772.4	11.6	CMG			
779.4	5.1	BMU	772.7	11.5	CMG			
782.3	5.4	CMG	779.5	11.9	BMU			
783.4	5.2	BMU	807.3	13.1	BMU			
792.3	5.0	BMU	810.4	13.0	CMG			
797.4	5.2	BMU	817.3	13.2	CMG			
804.3	5.3	BMU	-----					
804.4	5.4	CMG	2357-15					
811.3	5.2	BMU	W CET	mira				
814.4	5.4	CMG	765.8	10.1	BVE			
817.3	5.3	BMU	790.7	9.4	BVE			
817.4	5.4	CMG	807.7	9.5	BVE			
-----			810.5	9.3	CMG			
2350+53			814.7	9.6	BVE			
RR CAS	mira		817.4	9.0	CMG			
729.5	13.9	CMG	-----					
736.5	13.0	CMG	2358+55A					
759.4	12.3	CMG	Y CAS	mira				
764.4	12.1	CMG	736.5	14.6	CMG			
765.4	12.2	GGU	761.4	14.6	CMG			
772.4	12.0	CMG	807.4	14.6	CMG			