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 * V A R I A B I L I A *
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 *
 * nummer 24 juni 1989 *
 *
 * redactie: H.Feijth *
 * Oer de Feart 7 *
 * 9084 BP Goutum *
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MEDEDELINGEN VAN DE WAARNEMINGSLEIDER

Dankzij het goede weer is in de maanden maart t/ mei 1989 een record aantal waarnemingen verricht, zoals blijkt uit het hiervolgende overzicht.

waarnemer		maart	april	mei
F. Boinck	BFK	52	17	44
R.J. Bouma	BMU	30		55 (2)
H.J. Brill	BHN	31		
G. Comello	CMG	593 (47)		785 (97)
H. Feijth	FJH	316 (85)	249 (58)	512 (133)
G. Hoogeveen	HOO		2	
C.F. Johannink	JCH	3	5	
A.M. van Kalmthout	KAL	6		
P.C.A. Kerkvliet	KKP	13	9	12
G. Kuipers	KPG			30 (2)
W. Nobel	NWL	37	33	48
A. Scholten	SAQ	9	8	19
P. Serné	SEN	17	27	43
M. Westenbroek	WMB	14		17
totaal		1121	350	1565

De inner sanctum waarnemingen zijn tussen haakjes vermeld.
 In totaal werden niet minder dan 3036 waarnemingen verricht.
 Omdat het fraaie weer nog steeds voortduurt (20 juni) bestaat de kans dat we de 10000 waarnemingen voor het eerst in de historie van de werkgroep gaan overschrijden !
 Als nieuwe waarnemer verwelkomen wij de heer A.M. van Kalmthout uit Hazerswoude. Rest mij nog alle waarnemers te bedanken voor hun bijdragen.

OBSERVARIA R Coronae Borealis is weer teruggekeerd naar de normale toestand. Dit geldt niet voor de RCB-ster V482 Cygni die nog steeds minder helder dan normaal is. De UG-sterren lieten zich niet onbetuigd; zowel SS Cygni, SS Aurigae als U Geminorum hadden uitbarstingen. Bovendien ondergingen SU Ursae Maioris en YZ Cancri eind april-begin mei supermaxima. Zie verder de hierna volgende tabellen.
 Wat betreft de Mira-sterren is te vermelden dat R Cygni eind april een tamelijk zwak maximum (ca. 9.0) heeft gehad en dat de snelle Mira-ster SY Herculis begin mei een zwak minimum (13.0) beleefde.

MEDEDELING

Naar aanleiding van de ledenvergadering gehouden op 22 april te Roden heeft het bestuur van de WVS vergaderd op 29 april 1989 te Amersfoort. Daar is het volgende besloten.

1. Er komt geen ledenvergadering op 3 juni 1989.
2. Er wordt een ad interim bestuur geformeerd om de lopende zaken doorgang te doen vinden.
3. Het ad interim bestuur, dat de zaken behartigt tot april 1990 wordt als volgt samengesteld:

Henk Feijth	: waarnemingsleider
Theo Jurriens	: secretaris
Geert Hoogeveen	: waarnemingsleider eclipsvariabelen
Jos de Smet	: penningmeester
Gauke Kuipers	: bestuurslid

Het is de bedoeling dat minimale inspanning wordt geleverd en dat Variabilia normaal blijft verschijnen. Theo en Henk zorgen voor de verschijning ervan.

4. Het definitieve bestuur wordt op de volgende ledenvergadering in 1990 geïnstalleerd.
5. Peter Serné blijft op verzoek van het ad interim bestuur de zaken met betrekking tot het AAVSO-congres (volgend jaar juli in de VUB te Brussel) behartigen.

P. SERNÉ:

DE BIJEENKOMST VAN DE AAVSO TE BRUSSEL

Voor het eerst organiseert de AAVSO een bijeenkomst in Europa. Deze zal plaatsvinden op 24 t/m 28 juli 1990 in de Vrije Universiteit van Brussel (VUB) . De Belgische lokale organisatie en de AAVSO voorzien het volgende programma (wijzigingen voorbehouden).

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|-------------------|--|
| Dinsdag 24 juli | : de gehele dag inschrijving
opening, ledenvergadering AAVSO en receptie. |
| Woensdag 25 juli | : de gehele dag inschrijving
voordrachten over resultaten van coördinatie
en samenwerking inzake veranderlijke sterren
onderzoek
s'avonds biedt de VUB de deelnemers een concert
aan in het stadhuis van Brussel. |
| Donderdag 26 juli | : werkbijeenkomsten (workshops) over waarneem-
technieken, kaarten, sequences e.d.
bezoek aan Gent met daarop aansluitend banket te Gent |
| Vrijdag 27 juli | : voordrachten |
| Zaterdag 28 juli | : voordrachten, groepsfoto en sluiting. |

INSCHRIJVING:

De kosten van inschrijving bedragen 75 a 80 US Dollar per persoon. Daarin zijn o.a inbegrepen de kosten van de proceedings. U zult nog nader worden geïnformeerd over de inschrijvingsprocedure.

OVERNACHTINGEN

Er zullen éénpersoonskamers beschikbaar zijn op de campus van de VUB. De kosten zijn ca 20 tot 25 dollar per overnachting inclusief ontbijt. Overigens kunt u ook gebruik maken van de talloze hotels die Brussel te bieden heeft. In dat geval dient u de reservering zelf te verzorgen. De lokale organisatie zou graag een indruk krijgen van de te verwachten belangstelling. Daarom wordt u verzocht het onderstaande in te vullen en op te sturen naar H. Feijth, Oer de Feart 7, 9084 BP Goutum.

-----hierlangs afknippen-----

Naam :
Adres :
Woonplaats :

U wordt verzocht het volgende aan te geven :

0 ik kom beslist
0 ik kom waarschijnlijk
0 ik kom misschien

Overnachting :
0 kamer op de VUB campus
0 anderszins

Dit formulier is niet bindend en geldt niet als inschrijving ! Het dient dus om de belangstelling voor de bijeenkomst te peilen !

RECTIFICATIE

In Variabilia 23 zijn twee waarnemingen onjuist weergegeven. Het betreft de volgende.

GK Persei: Lees 556.47 131 BMU in plaats van 656.47 131 BMU

S Orionis: Lees 558.4 115 CMG in plaats van 558.4 105 CMG

000451 SS Cas type Mira	677.5 148 CMG	612.30 117 FJH	594.3 140 FJH	021143A W And type Mira
593.3 126 CMG	004047 U Cas type Mira	010940 U And type Mira	595.3 140 CMG	592.3 123 FJH
594.3 125 FJH	593.3 114 CMG	595.3 133 CMG	612.3 147 FJH	595.3 123 CMG
602.3 131 CMG	594.3 112 FJH	612.3 137 FJH	013937 AR And type UGSS	608.3 129 CMG
611.4 131 CMG	602.3 108 CMG	011055A VZ Cas type Mira	612.29 118 FJH	612.3 126 FJH
612.3 130 CMG	607.3 107 CMG	593.3 109 CMG	014958 X Cas type Mira	021258 T Per type SRC
618.3 133 CMG	613.4 103 CMG	594.3 111 BFK	593.3 124 CMG	595.3 93 CMG
650.5 110 FJH	616.4 100 KAL	600.3 113 CMG	600.4 124 CMG	610.5 95 CMG
656.4 110 CMG	616.4 100 NWL	607.3 120 CMG	607.3 121 CMG	621.3 95 CMG
669.5 96 FJH	619.3 101 CMG	613.4 121 CMG	612.3 121 CMG	675.4 91 CMG
672.5 98 CMG	650.5 92 FJH	619.3 126 CMG	617.3 120 CMG	021281 Z Cep type Mira
678.5 101 CMG	669.5 97 FJH	672.5 132 CMG	650.3 119 CMG	593.5 :148 CMG
001046 X And type Mira	675.4 103 CMG	675.5 132 FJH	672.4 121 CMG	612.4 :150 FJH
595.3 108 CMG	004435 V And type Mira	678.5 130 CMG	678.5 120 CMG	618.3 154 CMG
675.4 131 CMG	674.5 97 FJH	011272 S Cas type Mira	015254 U Per type Mira	650.4 <147 FJH
675.5 133 FJH	004533 RR And type Mira	593.3 113 CMG	593.3 85 CMG	653.4 <146 CMG
001755 T Cas type Mira	674.5 96 FJH	594.4 112 BHN	594.4 82 BHN	656.4 <153 CMG
593.3 96 CMG	004746A RV Cas type Mira	600.3 113 CMG	602.3 84 CMG	675.4 143 FJH
594.3 97 BFK	594.3 148 FJH	607.3 115 CMG	606.4 83 NWL	0214-03 Mira type Mira
594.4 96 BHN	595.3 142 CMG	612.3 119 CMG	608.3 84 CMG	595.3 68 CMG
600.4 97 CMG	613.4 138 CMG	612.4 120 BHN	611.3 82 SAQ	021558 S Per type SRC
607.3 97 CMG	669.5 99 FJH	617.3 118 CMG	611.4 86 SEN	594.4 103 NWL
610.3 : 97 NWL	675.4 100 CMG	648.4 126 CMG	612.4 84 BHN	594.4 104 BHN
612.4 95 BHN	004958 W Cas type Mira	650.4 124 FJH	613.4 84 CMG	595.3 105 CMG
613.4 98 CMG	593.3 115 CMG	655.6 128 CMG	625.4 87 SAQ	595.5 102 WMB
616.3 100 NWL	594.3 112 FJH	655.6 128 CMG	626.3 84 CMG	610.5 105 CMG
616.3 101 KAL	594.4 116 BHN	664.4 127 FJH	648.4 86 CMG	611.4 104 SEN
616.4 97 WMB	600.4 117 CMG	672.5 134 CMG	653.4 84 BFK	612.4 104 BHN
619.3 98 CMG	607.3 114 CMG	675.4 131 FJH	661.5 91 SEN	616.4 102 KAL
650.5 88 WMB	611.4 :118 SEN	678.5 134 CMG	675.4 98 CMG	616.4 103 NWL
651.5 91 FJH	612.4 115 BHN	012350 RZ Per type Mira	020227 Z Tri type Mira	616.4 109 WMB
653.4 90 CMG	613.4 120 CMG	593.3 119 CMG	611.3 105 FJH	621.3 109 CMG
661.5 91 NWL	619.3 120 CMG	602.3 108 CMG	020356 UV Per type UGSS	625.4 108 SEN
664.4 91 FJH	625.5 116 NWL	608.3 107 CMG	614.33<157 FJH	625.4 109 NWL
670.5 87 BFK	625.5 117 SEN	613.4 106 CMG	020657A TZ Per type UGZ	650.5 109 WMB
672.5 89 CMG	650.3 120 CMG	619.3 105 CMG	594.30 127 FJH	661.5 111 SEN
675.5 84 NWL	650.6 118 FJH	626.3 97 CMG	612.29 123 FJH	675.4 112 CMG
678.5 87 CMG	656.4 116 CMG	677.5 98 CMG	616.32 134 FJH	677.4 112 BMU
001838 R And type Mira	661.5 116 SEN	012746 SX And type Mira	021024 R Ari type Mira	0220-00 R Cet type Mira
595.3 136 CMG	669.5 119 FJH	594.3 124 FJH	595.3 131 CMG	595.3 84 CMG
669.5 86 FJH	672.5 116 CMG	013050 KT Per type UGZ	611.3 127 FJH	022150 RR Per type Mira
003179 Y Cep type Mira	677.4 117 BMU	612.31 143 FJH	612.29 123 FJH	594.3 130 FJH
593.5 :147 CMG	678.5 116 CMG	614.33 141 FJH	616.32 134 FJH	595.3 134 CMG
612.4 148 FJH	005840 RX And type UGZ	013338 Y And type Mira	021024 R Ari type Mira	608.3 127 CMG
618.3 149 CMG	594.27 105 FJH	612.31 143 FJH	595.3 131 CMG	
651.5 148 FJH	611.31 117 FJH	614.33 141 FJH	611.3 127 FJH	
653.4 :145 CMG				
656.4 153 CMG				
675.4 147 FJH				

612.3 124 FJH	613.4 106 CMG	type Mira	type Mira	593.3 129 CMG
613.4 127 CMG	619.3 103 CMG			608.3 132 CMG
619.3 126 CMG	626.3 92 CMG	592.3 110 FJH	593.3 96 CMG	613.3 136 CMG
626.3 124 CMG		95.3 113 CMG	602.3 94 CMG	619.3 114 CMG
677.5 95 CMG	032443 GK Per	600.3 111 CMG		626.3 28 CMG
	type Na	608.3 107 CMG	050953 R Aur	
022980 RR Cep	594.30 130 FJH	611.3 107 FJH	type Mira	053337 RU Aur
type Mira	616.33 130 FJH	613.3 107 CMG		type Mira
		619.3 103 CMG	593.3 115 CMG	
593.5 134 CMG	034532 RX Per	043274 X Cam	594.3 :115 BFK	594.3 :150 FJH
594.5 133 FJH	type Mira	type Mira	599.3 118 FJH	595.3 :150 CMG
612.4 134 FJH			600.3 115 CMG	612.4 :154 FJH
618.3 140 CMG	612.3 132 FJH	592.4 110 FJH	603.4 115 BFK	
650.4 :148 FJH		593.3 108 CMG	607.3 114 CMG	053531 U Aur
653.4 143 CMG	040150 FO Per	600.3 116 CMG	612.5 117 BHN	type Mira
656.4 148 CMG	type UG	601.3 118 FJH	613.4 115 CMG	
675.4 :152 FJH		607.3 124 CMG	616.3 109 BMU	594.3 141 FJH
677.5 147 CMG	614.33 132 FJH	612.4 125 FJH	619.3 114 CMG	595.3 141 CMG
	616.32 126 FJH	613.4 127 CMG	620.3 116 FJH	612.3 139 FJH
023033 R Tri		616.3 128 BMU	625.4 106 NWL	613.4 138 CMG
type Mira	042209 R Tau	619.4 130 CMG	625.4 108 SEN	619.3 137 CMG
	type Mira	620.3 131 FJH	626.3 114 CMG	620.3 135 FJH
595.3 88 CMG		625.4 130 BMU	629.3 113 HOO	626.4 135 CMG
602.3 84 CMG	592.3 115 FJH	643.4 127 FJH	644.4 108 FJH	648.4 127 CMG
611.3 70 SAQ	593.3 120 CMG	649.4 121 FJH	648.4 104 CMG	
611.4 71 BMU	599.3 121 FJH	650.3 122 CMG	649.4 96 NWL	053538 SZ Aur
612.3 71 CMG	600.3 121 CMG	655.5 118 CMG	655.4 101 CMG	type Mira
616.4 71 WMB	611.3 123 FJH	664.4 102 FJH	661.4 90 NWL	
619.3 66 CMG	613.3 128 CMG	670.4 95 BFK	661.4 92 SEN	593.3 129 CMG
	621.3 130 CMG	672.4 95 CMG	664.4 89 FJH	601.3 128 FJH
024217 T Ari		675.4 90 BMU	672.5 86 CMG	607.3 128 CMG
type SRa	042309 S Tau	678.5 92 CMG		613.4 128 CMG
	type Mira		052036 W Aur	614.4 127 FJH
595.3 103 CMG		044617 V Tau	type Mira	619.3 127 CMG
	592.3 104 FJH	type Mira		620.3 126 FJH
032043 Y Per	593.3 107 CMG		592.4 112 FJH	626.3 126 CMG
type Mira	599.3 107 FJH	592.3 117 FJH	593.3 113 CMG	644.4 123 FJH
	600.3 109 CMG	593.3 119 CMG	600.3 116 CMG	648.4 120 CMG
593.3 100 CMG	611.3 113 FJH	599.3 126 FJH	606.3 117 FJH	651.4 119 FJH
594.4 101 KKP	613.3 118 CMG	600.3 125 CMG	607.3 118 CMG	
599.4 98 KKP	621.3 125 CMG	611.3 137 FJH	613.4 119 CMG	054319 SU Tau
602.3 99 CMG		613.3 137 CMG	619.3 123 CMG	type RCB
607.4 : 98 KKP	043065 T Cam		620.3 125 FJH	
608.3 99 CMG	type Mira	044907 FG Ori	626.3 127 CMG	593.5 99 CMG
612.5 100 BHN		type Mira	644.4 :133 FJH	607.4 99 CMG
613.4 99 CMG	593.3 91 CMG	594.3 110 FJH	648.4 135 CMG	613.3 98 CMG
615.4 : 94 KKP	600.3 95 CMG	606.3 114 FJH		616.3 96 BMU
616.4 96 KAL	603.4 93 BFK		0524-04 S Ori	619.3 100 CMG
616.4 98 NWL	607.3 97 CMG	0450-07 SX Eri	type Mira	625.3 97 BMU
619.3 99 CMG	610.5 95 FJH	type Mira		650.3 100 CMG
625.3 92 KKP	613.3 98 BHN	593.3 103 CMG	593.3 113 CMG	
625.4 98 NWL	613.4 98 CMG		600.3 111 CMG	054615A Z Tau
626.3 98 CMG	619.4 100 CMG	045307 R Ori	607.3 111 CMG	type Mira
644.4 93 KKP	645.4 112 FJH	type Mira	613.3 108 CMG	
	650.3 111 CMG	600.3 110 CMG	619.3 107 CMG	592.3 116 FJH
032335 R Per	654.4 115 FJH	608.3 111 CMG		593.3 116 CMG
type Mira	655.5 111 CMG	613.3 111 CMG	052607 BK Ori	600.3 116 CMG
	664.4 119 FJH	619.3 113 CMG	type Mira	608.3 117 CMG
592.3 120 FJH	671.4 123 FJH			611.3 121 FJH
593.3 124 CMG	672.4 121 CMG	053326 RR Tau	594.3 138 FJH	613.3 118 CMG
601.3 114 FJH	678.5 122 CMG	type INAS		619.3 120 CMG
602.3 118 CMG				
608.3 109 CMG	043208 RX Tau	0455-14 R Lep		
612.4 103 BHN				

054615C RU Tau type Mira	594.3 139 FJH 595.3 140 CMG 613.4 130 CMG 614.4 129 FJH 619.3 127 CMG 624.4 126 FJH 626.3 127 CMG 648.4 119 CMG 651.4 119 FJH	611.38 142 FJH 612.34 149 FJH 614.34 156 FJH	601.4 126 FJH 607.4 128 CMG 612.4 127 FJH 613.4 127 CMG 619.4 127 CMG 620.4 127 FJH 644.4 116 FJH 649.4 113 CMG 651.4 102 FJH 655.4 105 CMG 661.4 96 FJH 670.4 92 FJH 677.4 95 CMG	594.34<149 FJH 611.34<149 FJH 612.34 153 FJH 614.33 154 FJH
592.3 124 FJH 593.3 121 CMG 600.3 123 CMG 608.3 123 CMG 611.3 123 FJH 613.3 123 CMG 619.3 124 CMG	061647 V Aur type Mira	593.3 118 CMG 599.3 115 FJH 600.3 119 CMG 607.3 116 CMG 612.5 115 BHN 614.4 106 FJH 619.3 110 CMG 620.3 105 FJH 626.3 110 CMG 644.4 104 FJH 648.4 99 CMG 651.4 103 FJH	065111 Y Mon type Mira	593.3 121 CMG 600.3 127 CMG 607.3 128 CMG 613.3 132 CMG 619.3 137 CMG 626.4 138 CMG
054920A U Ori type Mira	060450 X Aur type Mira	592.5 93 NWL 593.3 93 CMG 594.3 104 BFK 600.3 106 CMG 607.3 111 CMG 612.5 112 BHN 613.4 114 CMG 619.3 119 CMG 625.5 127 NWL 626.3 128 CMG 648.4 127 CMG	063444A AA Aur type Mira	593.3 106 CMG 596.3 107 BFK 599.3 109 KKP 600.3 108 CMG 607.3 109 CMG 613.3 106 CMG 616.3 108 BMU 619.3 108 CMG 650.3 119 CMG
593.3 106 CMG 596.3 107 BFK 599.3 109 KKP 600.3 108 CMG 607.3 109 CMG 613.3 106 CMG 616.3 108 BMU 619.3 108 CMG 650.3 119 CMG	060547 SS Aur type UGSS	0617-02 V Mon type Mira	594.3 153 FJH 595.3 143 CMG 613.4 139 CMG 614.4 135 FJH 619.3 128 CMG 624.4 128 FJH 626.4 120 CMG 644.4 118 FJH 648.4 115 CMG 654.4 109 FJH	065355 R Lyn type Mira
054974 V Cam type Mira	592.35 144 FJH 594.30 143 FJH 611.33 148 FJH 612.32 127 FJH 613.32 121 FJH 614.40 116 FJH 615.42 116 FJH 616.31 115 FJH 620.33 106 FJH 624.34 112 FJH 625.33 119 BFK 625.35 118 FJH 626.34 121 FJH 644.37 141 FJH 645.37 142 FJH 650.39 143 FJH 651.39 146 FJH	593.3 90 CMG 600.3 86 CMG 607.3 82 CMG 613.3 76 CMG 619.3 73 CMG	063558 S Lyn type Mira	592.4 125 FJH 593.4 124 CMG 600.3 127 CMG 601.4 126 FJH 608.3 128 CMG 612.4 129 FJH 613.4 127 CMG 619.4 131 CMG 620.4 130 FJH 644.4 135 FJH 649.4 140 CMG 651.4 139 FJH
593.3 94 CMG 600.3 98 CMG 601.3 96 FJH 607.3 97 CMG 613.4 100 CMG 619.4 102 CMG 620.3 105 FJH 643.4 109 FJH 650.3 109 CMG 654.4 110 FJH 655.5 112 CMG 664.4 112 FJH 671.4 115 FJH 672.4 114 CMG 678.5 114 CMG	060547 SS Aur type UGSS	061925 W Gem type Mira	592.4 118 FJH 593.4 114 CMG 600.3 116 CMG 601.4 112 FJH 607.4 109 CMG 613.4 109 CMG 619.4 106 CMG 620.4 104 FJH 644.4 100 FJH 649.4 104 CMG 651.4 100 FJH 655.4 105 CMG 661.4 105 FJH 670.4 107 FJH 677.4 113 CMG	070109 V CMi type Mira
055439 AZ Aur type Mira	060746A ST Aur type Mira	592.4 131 FJH 593.4 133 CMG 612.4 135 FJH 613.4 138 CMG 619.4 139 CMG 620.4 135 FJH 645.4 135 FJH 653.4 139 CMG	064030 X Gem type Mira	592.3 133 FJH 593.3 131 CMG 599.3 137 FJH 600.3 137 CMG 611.4 144 FJH 613.3 144 CMG 619.3 144 CMG 620.3 144 FJH
593.5 127 CMG 606.3 125 FJH 613.4 130 CMG 619.3 130 CMG 620.3 128 FJH 626.3 130 CMG 644.4 133 FJH 651.4 136 CMG	599.3 116 FJH 607.3 113 CMG 613.4 112 CMG 614.4 113 FJH 619.3 112 CMG 620.3 113 FJH 626.3 112 CMG 644.4 117 FJH 648.4 115 CMG 651.4 117 FJH	062564 RT Cam type Mira	592.3 122 FJH 593.3 124 CMG 599.3 124 FJH 600.3 125 CMG 607.4 127 CMG 612.4 127 FJH 613.4 128 CMG 619.3 130 CMG 620.4 129 FJH 626.4 130 CMG 651.4 130 FJH	070122A R Gem type Mira
055716 RR Ori type Mira	061115 CZ Ori type UGSS	645.4 128 FJH 654.4 122 FJH 671.4 115 FJH	064128 IR Gem type UGSU	592.3 123 FJH 593.3 125 CMG 599.3 126 FJH 600.3 127 CMG 607.4 129 CMG 611.4 131 FJH 613.4 128 CMG 619.3 130 CMG 620.4 133 FJH 626.4 132 CMG 648.4 136 CMG 650.4 137 FJH
595.3 131 CMG	606.34 123 FJH	063159 U Lyn type Mira	592.4 126 FJH 593.4 128 CMG	070205 RS Mon type Mira
060443 RR Aur type Mira				616.3 118 CMG

614.47 121 FJH	644.4 110 FJH	655.4 106 CMG	type Mira	592.5 67 NWL
616.31 128 CMG	649.4 114 CMG			593.4 71 CMG
616.32 130 BMU	651.4 117 FJH	083350 X UMa	592.5 127 FJH	594.4 68 BFK
616.33 129 FJH	655.4 117 CMG	type Mira	593.3 129 CMG	594.5 68 BMU
617.32 132 CMG			600.3 132 CMG	599.3 66 BMU
618.34 133 CMG	081633 T Lyn	595.3 :146 CMG	611.4 134 CMG	599.3 66 NWL
619.38 132 CMG	type Mira	612.4 155 FJH	612.4 133 FJH	600.3 72 CMG
620.33 134 FJH		619.5 149 CMG	616.3 137 CMG	607.4 68 KKP
621.36 134 CMG	592.4 119 FJH	644.4 151 FJH	620.4 138 FJH	608.3 60 CMG
624.35 132 FJH	593.4 121 CMG	650.4 :153 CMG	644.4 141 FJH	608.4 62 BMU
625.35 132 BMU	600.3 120 CMG		650.4 143 CMG	611.3 57 SAQ
625.35 129 FJH	607.4 117 CMG	084803 S Hya	656.4 143 CMG	612.3 59 BFK
626.34 115 FJH	613.4 117 CMG	type Mira		612.4 58 JCH
626.38 132 CMG	619.4 115 CMG		093178 Y Dra	615.4 63 KKP
643.41 134 FJH	620.4 114 FJH	593.3 108 CMG	type Mira	616.3 58 BMU
644.41 132 FJH	644.4 107 FJH	600.3 107 CMG		616.3 60 CMG
645.36 129 FJH	649.4 104 CMG	607.4 103 CMG	593.5 145 CMG	616.5 60 KAL
647.41 112 FJH	654.4 106 FJH	613.4 100 CMG	594.3 142 FJH	616.5 60 NWL
649.40 109 FJH	655.4 104 CMG	619.5 93 CMG	611.4 147 FJH	617.5 57 JCH
650.34 104 CMG	677.4 100 CMG	626.4 86 CMG	613.4 144 CMG	621.3 59 CMG
650.41 107 FJH		649.4 80 CMG	620.4 148 FJH	624.5 56 SAQ
651.39 107 FJH	081935 X Lyn	655.4 79 CMG	621.3 145 CMG	625.3 56 BMU
651.45 112 CMG	type Mira		644.4 148 FJH	625.3 57 BFK
653.35 112 CMG		084917 X Cnc	649.4 :149 CMG	625.4 59 JCH
654.41 112 FJH	592.4 100 FJH	type SRb	651.4 142 FJH	625.4 61 KKP
655.54 113 CMG	593.4 105 CMG		668.4 143 FJH	627.4 57 BMU
656.43 114 FJH	600.3 104 CMG	613.3 68 JCH	675.4 141 CMG	629.3 56 HOO
656.46 115 CMG	613.4 105 CMG			634.4 54 SAQ
657.40 117 FJH	619.4 106 CMG	0850-08 T Hya	093720 RS Leo	643.4 59 NWL
661.41 128 FJH	620.4 105 FJH	type Mira	type Mira	643.4 64 KKP
663.41 129 FJH	644.4 116 FJH			645.4 62 BFK
664.41 128 FJH	649.4 114 CMG	593.4 118 CMG	593.5 140 CMG	649.4 60 CMG
667.39 134 FJH	654.4 118 FJH	600.3 120 CMG	599.3 143 FJH	649.4 60 SAQ
668.43 132 FJH	655.4 115 CMG	613.4 123 CMG	612.4 :145 FJH	649.4 61 NWL
669.42 133 FJH	677.5 129 CMG	619.5 123 CMG	620.4 :147 FJH	654.4 62 NWL
670.40 120 FJH		650.4 122 CMG	650.4 145 FJH	655.4 62 CMG
670.45 117 BMU	082953 SW UMa		653.4 :150 CMG	656.4 62 BMU
670.45 118 BFK	type UG	085518 SY Cnc	656.4 148 CMG	661.4 62 NWL
671.41 111 FJH		type UGZ		662.4 63 SAQ
671.42 108 BFK	614.32:165 FJH		093934 R LMi	669.4 67 NWL
672.41 105 FJH	645.4 <156 FJH	592.34 134 FJH	type Mira	669.4 67 SAQ
672.43 112 CMG	651.4 <156 FJH	594.45 129 FJH		670.4 68 BFK
673.42 108 FJH	654.4 <156 FJH	599.32 115 FJH	592.3 133 FJH	670.5 60 WMB
673.47 109 BMU		601.46 115 FJH	593.4 135 CMG	671.4 70 FJH
674.41 108 CMG	083013 UY Cnc	611.35 125 FJH	600.3 134 CMG	672.4 65 CMG
675.43 114 FJH	type Mira	611.36 124 CMG	601.3 129 FJH	675.4 69 NWL
675.46 110 BMU		612.35 128 FJH	611.4 128 CMG	677.4 68 SAQ
677.41 116 FJH	592.5 144 FJH	613.35 128 CMG	615.4 126 FJH	
677.47 114 CMG	593.5 145 CMG	615.42 132 FJH	619.3 128 CMG	094512 X Leo
678.47 115 CMG	612.3 149 FJH	616.34 132 FJH	620.4 122 FJH	type UGSS
	619.5 146 CMG	619.40 136 CMG	643.4 122 FJH	
081617 V Cnc	624.4 150 FJH	620.37 132 FJH	649.4 120 CMG	611.34 122 BMU
type Mira	651.4 147 CMG	624.34 132 FJH	651.4 122 KPG	611.35 126 FJH
		625.36 127 FJH	655.4 121 CMG	611.39 122 CMG
592.5 86 NWL	083019 U Cnc	644.36 133 FJH	661.4 114 FJH	612.33 122 CMG
593.3 91 CMG	type Mira	645.36 133 FJH	670.4 103 BFK	612.35 121 FJH
594.4 90 BFK		649.36 135 CMG	670.4 105 FJH	613.31 125 FJH
600.3 92 CMG	595.3 147 CMG	650.39 129 FJH	672.4 105 CMG	613.39 121 CMG
607.4 93 CMG	612.3 144 FJH	651.35 129 CMG	677.4 95 SAQ	614.34 127 FJH
612.3 94 BFK	619.5 144 CMG	653.34 128 CMG		614.44 123 CMG
613.4 94 CMG	620.4 137 FJH	655.35 118 CMG	094211 R Leo	615.41 126 FJH
619.4 96 CMG	644.4 116 FJH	656.37 118 CMG	type Mira	616.31 125 CMG
624.4 104 FJH	649.4 114 CMG			616.33 126 BMU
626.4 100 CMG	651.4 108 FJH	090425 W Cnc	592.4 70 SAQ	616.34 126 FJH

617.33 125 CMG	650.41 148 FJH	655.4 :144 CMG	610.5 : 80 SEN	656.4 139 FJH
618.34 126 CMG	651.40 148 FJH		612.3 79 NWL	656.4 149 CMG
619.47 129 CMG	654.41 153 FJH	1107-06 U Crv	613.3 78 CMG	669.4 :137 FJH
620.42 149 FJH	670.42 136 FJH	type Mira	616.3 80 BMU	
656.37:155 CMG	671.41 137 FJH		618.3 81 CMG	1214-18 R Crv
	673.44:140 FJH	600.3 99 CMG	618.6 81 SEN	type Mira
094735 S LMi	674.42 144 FJH	611.4 99 CMG	634.5 : 81 SEN	
type Mira		614.4 90 FJH	643.5 84 SEN	593.5 90 CMG
593.4 83 CMG	102900 S Sex	617.3 100 CMG	649.3 85 CMG	600.4 91 CMG
594.5 86 FJH	type Mira	650.4 120 CMG	650.5 84 NWL	619.5 103 CMG
600.3 83 CMG	593.4 135 CMG	656.4 122 CMG	650.5 85 SEN	649.4 114 CMG
608.3 82 CMG	611.4 135 CMG		655.4 84 CMG	655.4 114 CMG
610.5 85 FJH	621.3 136 CMG	111513 SN 89B	661.4 87 SEN	
613.4 83 CMG	649.4 124 CMG	type SN	661.5 87 NWL	122001 SS Vir
619.5 83 CMG	655.4 121 CMG	592.4 132 SAQ	669.5 87 SEN	type Mira
645.4 94 FJH		592.5 136 FJH	671.4 84 BMU	593.5 78 CMG
649.4 95 CMG	103769 R Uma	593.4 133 CMG	675.5 83 NWL	600.4 80 CMG
651.4 92 KPG	type Mira	594.5 137 FJH	675.5 84 SEN	611.4 82 CMG
655.4 100 CMG	593.3 125 CMG	595.3 134 CMG	678.5 84 CMG	617.3 85 CMG
661.4 99 FJH	594.4 124 BFK	596.4 :135 SAQ	115919 R Com	625.5 90 FJH
668.4 104 FJH	594.5 123 FJH	601.43 139 FJH	type Mira	645.4 92 FJH
672.4 109 CMG	600.3 125 CMG	611.35 142 FJH	592.5 118 FJH	649.4 86 CMG
	607.3 123 CMG	614.36 149 FJH	593.4 116 CMG	654.4 93 FJH
094836 U LMi	612.6 119 BHN	616.38 149 FJH	600.3 118 CMG	655.5 90 CMG
type SRa	613.3 121 CMG		601.4 121 FJH	672.4 96 FJH
593.4 124 CMG	616.4 119 FJH	113303 T Leo	611.4 124 CMG	678.5 93 CMG
611.4 123 CMG	618.3 120 CMG	type UG	614.4 126 FJH	
619.5 124 CMG	645.4 102 BFK	614.35 144 FJH	620.4 128 FJH	122532 T CVn
649.4 121 CMG	649.3 97 CMG	616.38:145 FJH	621.3 129 CMG	type Mira
	649.4 92 FJH		643.4 130 FJH	593.4 102 CMG
095421 V Leo	655.4 89 CMG	113639 RU Uma	649.4 131 CMG	599.4 98 NWL
type Mira	661.5 84 FJH	type Mira	650.4 131 FJH	600.3 102 CMG
592.5 128 FJH	670.5 77 BFK	651.4 95 CMG	651.4 132 KPG	603.4 98 BFK
593.4 127 CMG	672.4 75 FJH	656.4 89 CMG	655.4 132 CMG	607.3 101 CMG
599.3 125 FJH	678.5 74 CMG	670.4 82 BFK	669.4 136 FJH	613.3 101 CMG
600.3 123 CMG	104814 W Leo	672.4 85 CMG	675.4 137 CMG	617.4 101 NWL
608.3 110 CMG	type Mira	678.5 85 CMG	677.4 137 FJH	618.3 101 CMG
611.4 107 FJH	592.5 120 FJH		120012 SU Vir	626.4 102 CMG
616.3 98 CMG	593.4 120 CMM	113772 DO Dra	type Mira	645.6 104 NWL
620.4 102 FJH	600.3 122 CMG	type UG	592.5 114 FJH	649.3 103 CMG
621.3 98 CMG	601.4 121 FJH	611.38 150 FJH	593.4 109 CMG	651.4 106 KPG
643.4 94 NWL	611.4 122 FJH	614.47 147 FJH	611.4 102 CMG	651.5 106 NWL
643.4 100 FJH	611.4 123 CMG	620.44 150 FJH	615.4 108 FJH	655.4 104 CMG
649.4 92 CMG	616.3 128 CMG	645.42:150 FJH	617.3 104 CMG	671.4 103 BFK
655.4 93 CMG	620.4 125 FJH	649.41 150 FJH	625.5 112 FJH	672.4 107 CMG
656.4 96 FJH	621.3 128 CMG	651.40 152 FJH	643.4 119 FJH	678.5 106 CMG
661.4 95 NWL	643.4 130 FJH	654.42:152 FJH	649.4 126 CMG	
668.4 100 FJH	649.4 132 CMG	656.44:151 FJH	650.4 125 FJH	1228-03 Y Vir
672.4 106 CMG	650.4 130 FJH	674.42 151 FJH	651.4 125 KPG	type Mira
	655.4 132 CMG	675.47 151 FJH	655.5 129 CMG	593.5 106 CMG
095968 CH Uma	669.4 135 FJH		669.4 138 FJH	600.4 110 CMG
type UGSS	110506 S Leo	115158 Z Uma	677.4 141 FJH	611.4 125 CMG
611.36 145 FJH	type Mira	type SRb	677.5 139 CMG	614.4 119 FJH
614.32 147 FJH	593.4 103 CMG	591.5 : 80 SEN	1209-05 T Vir	614.4 126 CMG
616.34 144 FJH	600.3 107 CMG	593.3 81 CMG	type Mira	619.5 127 CMG
620.43 147 FJH	611.4 124 CMG	599.3 82 BMU	614.4 143 FJH	625.5 126 FJH
624.35 146 FJH	616.3 125 CMG	599.4 80 NWL	624.5 143 FJH	644.4 138 FJH
644.41 150 FJH	649.4 142 CMG	600.3 81 CMG	644.4 144 FJH	649.5 137 CMG
645.42 152 FJH		607.3 80 CMG		656.4 141 CMG
649.41 150 FJH				656.4 143 FJH

123160 T UMa type Mira	654.4 97 FJH 655.5 96 CMG 661.4 :107 KKP 668.4 108 FJH 668.4 :110 KKP 670.4 108 BFK 672.4 111 CMG 678.5 116 CMG	593.3 80 CMG 594.4 81 BFK 599.3 83 BMU 599.3 86 KKP 599.4 81 NWL 600.3 81 CMG 607.3 82 CMG 607.4 81 KKP 610.5 83 SEN 610.5 84 FJH 611.3 83 SAQ 612.3 84 NWL 612.4 79 KKP 612.4 84 BFK 612.6 81 BHN 613.3 81 CMG 616.3 86 BMU 616.4 84 WMB 618.3 86 CMG 618.7 86 SEN 625.4 87 SAQ 625.4 88 BMU 625.4 : 84 KKP 634.5 90 SEN 643.4 97 KKP 643.5 95 SEN 645.4 93 BFK 645.6 97 NWL 649.3 96 CMG 649.4 96 FJH 649.4 102 SAQ 649.4 103 KKP 650.5 98 NWL 650.5 103 WMB 650.5 :100 SEN 651.4 97 KPG 655.4 100 CMG 661.4 102 KPG 661.4 107 KKP 661.4 :103 SEN 661.5 105 FJH 669.5 105 SEN 670.4 108 BFK 670.4 109 FJH 670.5 113 WMB 671.4 107 BMU 672.4 108 CMG 675.5 108 SEN 677.4 :113 SAQ 678.5 111 CMG	593.3 80 CMG 594.4 81 BFK 599.3 83 BMU 599.3 86 KKP 599.4 81 NWL 600.3 81 CMG 607.3 82 CMG 607.4 81 KKP 610.5 83 SEN 610.5 84 FJH 611.3 83 SAQ 612.3 84 NWL 612.4 79 KKP 612.4 84 BFK 612.6 81 BHN 613.3 81 CMG 616.3 86 BMU 616.4 84 WMB 618.3 86 CMG 618.7 86 SEN 625.4 87 SAQ 625.4 88 BMU 625.4 : 84 KKP 634.5 90 SEN 643.4 97 KKP 643.5 95 SEN 645.4 93 BFK 645.6 97 NWL 649.3 96 CMG 649.4 96 FJH 649.4 102 SAQ 649.4 103 KKP 650.5 98 NWL 650.5 103 WMB 650.5 :100 SEN 651.4 97 KPG 655.4 100 CMG 661.4 102 KPG 661.4 107 KKP 661.4 :103 SEN 661.5 105 FJH 669.5 105 SEN 670.4 108 BFK 670.4 109 FJH 670.5 113 WMB 671.4 107 BMU 672.4 108 CMG 675.5 108 SEN 677.4 :113 SAQ 678.5 111 CMG	655.5 134 CMG 657.4 133 FJH 668.4 130 FJH 677.4 130 FJH 678.5 129 CMG	654.4 89 FJH 655.5 94 CMG 671.4 95 FJH 672.4 98 CMG 678.5 99 CMG	124238 U CVn type Mira	132262 RR UMa type Mira	592.5 105 FJH 593.4 100 CMG 600.3 94 CMG 607.4 90 CMG 615.4 99 FJH 618.3 91 CMG 625.5 100 FJH 645.4 104 FJH 649.3 106 CMG 651.4 104 KPG 655.4 104 CMG 656.4 108 FJH 661.4 110 KPG 667.4 112 FJH 672.4 113 CMG 677.4 118 FJH 678.5 116 CMG	593.4 104 CMG 594.4 106 BFK 594.5 110 FJH 610.5 120 CMG 616.3 124 FJH 617.3 122 CMG 624.4 125 FJH 645.4 136 FJH 650.4 143 CMG 670.4 146 FJH	1327-06 S Vir type Mira	593.5 127 CMG 600.4 124 CMG 614.4 120 CMG 618.3 119 CMG 649.4 106 CMG 651.4 108 KPG 655.5 100 CMG 672.4 86 CMG 678.5 83 CMG	133273 T UMi type Mira	592.5 139 FJH 595.3 138 CMG 611.4 143 FJH 617.3 141 CMG 620.4 145 FJH 644.4 145 FJH 651.4 146 CMG 651.4 146 FJH 670.4 145 FJH 675.4 140 CMG	1302-12 RV Vir type Mira	134434 RT CVn type Mira	619.5 121 CMG 649.4 127 CMG 655.5 128 CMG	1322-02 V Vir type Mira	593.5 122 CMG 600.4 109 CMG 611.4 96 CMG 614.4 89 FJH 618.3 90 CMG 624.5 86 FJH 645.5 87 FJH 651.4 91 KPG	134440 R CVn type Mira	592.5 109 FJH 593.4 107 CMG 594.4 108 BFK
123307 R Vir type Mira	593.5 91 CMG 594.4 83 KKP 594.5 83 FJH 600.4 80 CMG 603.4 75 BFK 611.4 75 CMG 617.3 75 CMG 625.5 75 FJH 645.4 85 FJH 645.5 89 BFK 649.4 93 CMG 651.4 94 KPG	654.4 97 FJH 655.5 96 CMG 661.4 :107 KKP 668.4 108 FJH 668.4 :110 KKP 670.4 108 BFK 672.4 111 CMG 678.5 116 CMG	593.3 80 CMG 594.4 81 BFK 599.3 83 BMU 599.3 86 KKP 599.4 81 NWL 600.3 81 CMG 607.3 82 CMG 607.4 81 KKP 610.5 83 SEN 610.5 84 FJH 611.3 83 SAQ 612.3 84 NWL 612.4 79 KKP 612.4 84 BFK 612.6 81 BHN 613.3 81 CMG 616.3 86 BMU 616.4 84 WMB 618.3 86 CMG 618.7 86 SEN 625.4 87 SAQ 625.4 88 BMU 625.4 : 84 KKP 634.5 90 SEN 643.4 97 KKP 643.5 95 SEN 645.4 93 BFK 645.6 97 NWL 649.3 96 CMG 649.4 96 FJH 649.4 102 SAQ 649.4 103 KKP 650.5 98 NWL 650.5 103 WMB 650.5 :100 SEN 651.4 97 KPG 655.4 100 CMG 661.4 102 KPG 661.4 107 KKP 661.4 :103 SEN 661.5 105 FJH 669.5 105 SEN 670.4 108 BFK 670.4 109 FJH 670.5 113 WMB 671.4 107 BMU 672.4 108 CMG 675.5 108 SEN 677.4 :113 SAQ 678.5 111 CMG	655.5 134 CMG 657.4 133 FJH 668.4 130 FJH 677.4 130 FJH 678.5 129 CMG	654.4 89 FJH 655.5 94 CMG 671.4 95 FJH 672.4 98 CMG 678.5 99 CMG	123366 RV Dra type Mira	123459 RS UMa type Mira	592.5 136 FJH 595.3 144 CMG 614.5 :143 FJH 649.4 136 FJH 650.4 132 CMG 669.5 :116 SEN 670.4 111 FJH 675.5 111 SEN	591.5 104 SEN 592.5 103 FJH 593.3 105 CMG 594.4 103 BFK 599.3 104 BMU 600.3 107 CMG 601.4 106 FJH 607.3 110 CMG 610.5 111 SEN 612.3 112 BFK 612.6 112 BHN 613.3 113 CMG 616.3 114 BMU 616.3 114 FJH 616.5 112 NWL 618.3 119 CMG 618.7 117 SEN 624.4 120 FJH 625.5 118 SEN 625.5 120 NWL 643.5 134 FJH 645.6 132 NWL 649.3 133 CMG 650.5 136 FJH 651.4 133 SEN 651.4 135 NWL 651.4 136 KPG 656.4 137 CMG 657.5 138 FJH 661.4 139 KPG 668.4 141 FJH 671.4 141 BMU 672.4 142 CMG 675.5 142 FJH 678.5 142 CMG	593.3 80 CMG 594.4 81 BFK 599.3 83 BMU 599.3 86 KKP 599.4 81 NWL 600.3 81 CMG 607.3 82 CMG 607.4 81 KKP 610.5 83 SEN 610.5 84 FJH 611.3 83 SAQ 612.3 84 NWL 612.4 79 KKP 612.4 84 BFK 612.6 81 BHN 613.3 81 CMG 616.3 86 BMU 616.4 84 WMB 618.3 86 CMG 618.7 86 SEN 625.4 87 SAQ 625.4 88 BMU 625.4 : 84 KKP 634.5 90 SEN 643.4 97 KKP 643.5 95 SEN 645.4 93 BFK 645.6 97 NWL 649.3 96 CMG 649.4 96 FJH 649.4 102 SAQ 649.4 103 KKP 650.5 98 NWL 650.5 103 WMB 650.5 :100 SEN 651.4 97 KPG 655.4 100 CMG 661.4 102 KPG 661.4 107 KKP 661.4 :103 SEN 661.5 105 FJH 669.5 105 SEN 670.4 108 BFK 670.4 109 FJH 670.5 113 WMB 671.4 107 BMU 672.4 108 CMG 675.5 108 SEN 677.4 :113 SAQ 678.5 111 CMG	655.5 134 CMG 657.4 133 FJH 668.4 130 FJH 677.4 130 FJH 678.5 129 CMG	654.4 89 FJH 655.5 94 CMG 671.4 95 FJH 672.4 98 CMG 678.5 99 CMG	123961 S UMa type Mira	591.5 78 SEN	593.5 138 CMG 594.5 138 FJH 611.4 138 FJH 613.4 139 CMG 619.5 138 CMG 624.4 136 FJH 643.5 134 FJH 649.4 133 CMG 650.5 131 FJH 651.4 130 KPG	593.5 122 CMG 600.4 109 CMG 611.4 96 CMG 614.4 89 FJH 618.3 90 CMG 624.5 86 FJH 645.5 87 FJH 651.4 91 KPG	592.5 109 FJH 593.4 107 CMG 594.4 108 BFK			

600.3	108	CMG	678.5	122	CMG	600.4	98	CMG	672.4	93	CMG	643.4	142	FJH
607.3	112	CMG				611.4	102	CMG	675.4	93	BMU	649.4	137	CMG
613.3	113	CMG	141567	U	UMi	615.4	102	FJH	678.5	94	CMG	649.4	141	FJH
615.4	112	FJH	type	Mira		618.3	103	CMG				651.5	134	KPG
618.3	114	CMG				625.5	102	FJH	143227	R	Boo	655.4	136	CMG
618.5	112	NWL	591.6	110	SEN	645.4	107	FJH	type	Mira		657.4	136	FJH
625.5	116	NWL	592.5	106	FJH	649.4	115	CMG				667.4	130	FJH
625.5	118	FJH	593.3	109	CMG	651.5	115	KPG	592.6	:	91	672.4	127	CMG
626.4	117	CMG	600.3	106	CMG	655.5	113	CMG	593.5	90	CMG	677.4	123	FJH
643.4	124	FJH	603.4	103	BFK	661.4	115	FJH	594.4	91	BFK	678.5	122	CMG
645.6	117	NWL	607.3	102	CMG	669.5	117	FJH	594.5	91	FJH			
649.3	121	CMG	610.5	100	SEN				595.5	90	WMB	1500-18	RT	Lib
651.4	124	KPG	610.5	102	FJH	142539	V	Boo	599.4	94	KKP	type	Mira	
651.5	121	NWL	613.3	100	CMG	type	SRa		600.4	89	CMG			
655.4	124	CMG	618.3	99	CMG				603.4	86	BFK	675.4	138	CMG
656.4	124	FJH	618.7	95	SEN	592.5	87	NWL	607.4	86	CMG			
661.4	120	KPG	634.5	92	SEN	593.4	87	CMG	610.4	82	NWL	1505-19	T	Lib
667.4	123	FJH	643.5	89	SEN	594.4	87	BFK	610.5	83	FJH	type	Mira	
672.4	123	CMG	648.4	87	CMG	603.4	86	BFK	612.4	93	KKP			
677.4	122	FJH	649.4	89	FJH	607.4	87	CMG	612.5	81	BHN	653.4	127	CMG
678.5	121	CMG	650.5	88	NWL	610.4	86	NWL	613.4	83	CMG			
			650.5	91	SEN	610.6	88	SEN	616.4	76	WMB	1506-05	Y	Lib
1353-04	SY	Vir	653.4	90	BFK	611.3	85	SAQ	617.4	78	NWL	type	Mira	
type	Mira		655.4	90	CMG	612.5	89	BHN	619.5	77	CMG			
			661.4	87	SEN	616.4	87	WMB	625.4	86	KKP	602.6	88	CMG
651.4	107	KPG	669.5	84	SEN	617.4	87	NWL	644.4	75	NWL	614.4	90	FJH
			669.5	87	BFK	618.7	89	SEN	645.4	74	BFK	621.6	90	CMG
1359-08	RR	Vir	672.4	85	CMG	625.4	83	SAQ	649.3	73	CMG	645.5	96	FJH
type	Mira		672.4	87	FJH	634.6	:	83	649.4	77	FJH	650.4	95	CMG
			675.5	87	SEN	643.5	84	SEN	650.5	73	WMB	656.4	97	BMU
602.6	139	CMG	678.5	86	CMG	644.4	84	NWL	650.5	79	NWL	656.4	100	CMG
619.5	144	CMG				649.3	87	CMG	651.5	77	KPG	661.4	103	FJH
656.4	:155	CMG	141954	S	Boo	649.4	83	SAQ	653.4	77	BFK	670.4	108	BMU
			type	Mira		650.5	84	SEN	655.4	75	CMG	672.4	110	CMG
140113	Z	Boo				650.5	85	NWL	661.4	79	KKP	674.4	114	FJH
type	Mira		593.4	115	CMG	650.5	85	WMB	661.5	78	NWL	675.5	111	BMU
			594.5	112	FJH	653.4	82	BFK	668.4	76	KKP			
592.5	99	FJH	600.3	109	CMG	655.4	86	CMG	669.4	81	BFK	151336	RT	Boo
593.5	96	CMG	603.4	108	BFK	661.4	82	SEN	670.5	78	WMB	type	Mira	
600.4	103	CMG	607.4	108	CMG	669.5	82	SEN	671.5	82	BMU			
607.4	106	CMG	611.4	105	BMU	670.5	79	WMB	672.4	81	CMG	593.5	100	CMG
613.4	111	CMG	612.3	107	CMG	671.4	82	BFK	672.4	82	FJH	600.4	103	CMG
615.4	115	FJH	616.3	105	FJH	671.5	85	BMU	675.4	83	KKP	607.4	103	CMG
619.5	115	CMG	616.4	106	BHN	672.4	85	CMG	675.5	81	NWL	612.4	110	BFK
624.5	123	FJH	617.3	105	CMG	675.5	82	SEN	678.5	84	CMG	613.4	104	CMG
643.4	130	FJH	618.6	103	NWL	677.6	80	NWL				619.5	105	CMG
649.4	133	FJH	626.4	105	CMG	678.5	83	CMG	1434-17	V	Lib	649.4	122	CMG
649.5	134	CMG	645.4	93	FJH				type	Mira		655.4	127	CMG
651.5	132	KPG	645.6	92	NWL	142584	R	Cam				672.5	132	CMG
655.4	136	CMG	649.3	90	CMG	type	Mira		614.4	121	FJH	678.5	133	CMG
657.4	137	FJH	655.4	88	CMG				650.4	100	CMG			
669.4	140	FJH	661.5	85	FJH	592.5	135	FJH	675.4	94	CMG	1515-20	S	Lib
672.5	140	CMG	670.5	85	BFK	593.3	135	CMG				type	Mira	
677.4	140	FJH	671.5	83	BMU	602.3	134	CMG	144339	RR	Boo			
678.5	141	CMG	672.4	82	FJH	608.3	134	CMG	type	Mira		650.4	115	CMG
			672.4	87	CMG	612.4	134	FJH				656.4	115	CMG
1405-12	Z	Vir	677.5	81	NWL	613.4	134	CMG	592.5	132	FJH	674.4	99	CMG
type	Mira		678.5	85	CMG	619.4	129	CMG	593.5	130	CMG			
						620.3	125	FJH	601.4	135	FJH	151714	S	Ser
602.6	116	CMG	142205	RS	Vir	643.4	105	FJH	602.6	133	CMG	type	Mira	
619.5	116	CMG	type	Mira		650.3	101	CMG	613.4	135	CMG			
649.4	117	CMG				653.4	97	BFK	614.5	138	FJH	602.6	107	CMG
655.5	117	CMG	592.5	96	FJH	663.4	98	FJH	619.5	138	CMG	611.4	102	CMG
672.4	118	CMG	593.5	95	CMG	670.4	94	BFK	624.4	142	FJH	619.5	99	CMG

649.4	91	CMG	618.7	:	95	SEN	655.5	125	CMG	type Mira	619.6	139	CMG				
655.5	90	CMG	625.5		101	FJH	657.4	132	FJH		624.4	140	FJH				
672.4	95	CMG	634.5		98	SEN	668.4	131	FJH	592.5	129	FJH	643.4	136	FJH		
678.5	94	CMG	643.5		101	SEN	671.4	131	BMU	593.5	131	CMG	649.5	134	CMG		
<hr/>			647.4		104	FJH	672.5	134	CMG	601.4	133	FJH	649.5	136	FJH		
151731	S	CrB	648.4		102	CMG	677.4	133	FJH	602.6	133	CMG	651.5	132	KPG		
type Mira			650.6		102	SEN	678.5	134	CMG	610.5	:	136	CMG	655.6	132	CMG	
			653.4		106	BFK	<hr/>			612.4	137	FJH	657.4	135	FJH		
592.6	94	NWL	655.4		102	CMG	154615	R	Ser	618.3	144	CMG	667.4	131	FJH		
593.5	95	CMG	657.4		105	FJH	type Mira			643.5	147	FJH	672.5	129	CMG		
600.4	98	CMG	661.4	:	110	SEN				649.5	148	FJH	678.6	128	CMG		
610.5	99	CMG	669.5		112	SEN	592.5	103	FJH	651.4	:	145	CMG	<hr/>			
612.4	104	BFK	670.5	:	114	BFK	602.6	97	CMG	656.4	148	CMG	161138	W	CrB		
618.3	102	CMG	671.4		115	FJH	603.5	97	BFK	669.5	147	FJH	type Mira				
618.5	101	NWL	672.4		111	CMG	611.4	94	CMG	677.4	149	FJH					
625.5	104	FJH	675.5	:	113	SEN	619.5	82	CMG	<hr/>			592.5	117	FJH		
643.5	112	FJH	678.5		112	CMG	625.5	72	FJH	155526	T	CrB	593.5	113	CMG		
644.4	112	KKP	<hr/>			154428A	R	CrB	644.4	63	NWL	type Nd	601.4	120	FJH		
645.6	111	NWL	type RCB			645.4	63	BFK	645.4	63	FJH	602.6	119	CMG			
649.4	113	KKP				649.4	63	CMG	649.4	63	CMG	610.5	122	CMG			
649.4	115	CMG	592.6		63	NWL	655.5	63	CMG	656.4	105	FJH	612.4	129	FJH		
651.4	113	NWL	593.5		68	CMG	669.4	63	BFK	668.4	103	FJH	618.3	128	CMG		
651.5	117	KPG	594.45		68	BFK	671.4	69	FJH	671.4	104	BMU	618.3	128	CMG		
655.5	118	CMG	594.5		68	BMU	672.4	64	CMG	<hr/>			624.4	131	FJH		
657.4	120	FJH	595.3		67	CMG	678.5	67	CMG	160118	R	Her	643.5	138	FJH		
661.4	120	KPG	599.4		67	BMU	<hr/>			type Mira			649.4	141	CMG		
668.4	125	FJH	600.4		68	CMG	154639	V	CrB	594.5	92	NWL	649.5	142	FJH		
671.4	121	BMU	607.5		66	CMG	type Mira			602.6	85	CMG	651.5	140	KPG		
672.5	128	CMG	608.4		65	BMU				611.4	84	CMG	655.5	142	CMG		
677.4	126	FJH	610.5		66	CMG	592.5	116	FJH	616.5	88	NWL	657.4	142	FJH		
678.5	128	CMG	614.4		64	CMG	593.5	115	CMG	619.5	84	CMG	669.5	142	FJH		
<hr/>			616.4		65	BMU	602.6	115	CMG	625.5	89	FJH	671.5	142	BMU		
1518-22	RS	Lib	617.5		64	JCH	603.4	114	BFK	645.4	98	FJH	672.5	141	CMG		
type Mira			618.3		64	CMG	610.5	115	CMG	645.6	98	NWL	677.4	134	FJH		
			625.4		64	JCH	616.4	113	FJH	649.5	99	CMG	678.5	140	CMG		
602.6	91	CMG	627.4		61	BMU	618.3	111	CMG	655.6	101	CMG	<hr/>		1616-07	W	Oph
650.4	97	CMG	638.4		60	BMU	644.4	90	NWL	656.4	107	FJH	type Mira				
656.4	105	CMG	648.4		61	CMG	645.4	93	BFK	661.5	110	FJH					
675.4	116	CMG	649.3		61	CMG	645.4	93	FJH	670.4	112	FJH	621.6	103	CMG		
<hr/>			650.5		65	SAQ	649.4	98	CMG	672.5	119	CMG	650.4	109	CMG		
1527-14	RU	Lib	651.4		62	CMG	655.5	95	CMG	678.6	125	CMG	656.4	112	CMG		
type Mira			653.4		62	CMG	660.4	91	FJH	<hr/>			677.4	120	BMU		
			655.5		60	CMG	669.4	89	BFK	160210	U	Ser	<hr/>				
602.6	94	CMG	656.4		60	BMU	671.5	89	BMU	type Mira			1621-12	V	Oph		
614.5	97	FJH	671.4		59	BMU	672.4	90	FJH	592.5	101	FJH	type Mira				
621.6	102	CMG	672.4		60	CMG	672.5	90	CMG	602.6	105	CMG					
650.4	117	CMG	675.4		60	CMG	677.6	87	NWL	611.4	111	CMG	621.6	106	CMG		
656.4	118	CMG	<hr/>			154536	X	CrB	678.5	90	CMG	619.5	116	CMG	649.5	100	CMG
675.4	128	CMG	type Mira			type Mira				624.5	117	FJH	655.6	99	CMG		
			592.5		115	FJH	1547-15	R	Lib	643.5	124	FJH	<hr/>		162119	U	Her
			593.5		116	CMG	type Mira			649.4	133	CMG	type Mira				
			601.4		118	FJH	675.4	133	CMG	655.5	123	CMG					
			602.6		119	CMG	<hr/>			657.4	132	FJH	602.6	111	CMG		
			610.5		122	CMG	1550-18	RR	Lib	669.5	138	FJH	611.4	114	CMG		
			612.4		126	FJH	type Mira			672.4	136	CMG	614.5	113	FJH		
			618.3		128	CMG				678.5	135	CMG	619.6	113	CMG		
			624.4		127	FJH	602.6	110	CMG	<hr/>			625.5	117	FJH		
			643.5		130	FJH	650.4	84	CMG	160625	RU	Her	643.5	120	FJH		
			649.4		134	CMG	656.4	85	CMG	type Mira			645.5	118	BFK		
			649.5		130	FJH	675.4	91	CMG				645.6	114	NWL		
			651.5		132	KPG	<hr/>			592.5	141	FJH	649.5	116	CMG		
			<hr/>			155229	Z	CrB			602.6	138	CMG	650.5	121	FJH	
										614.5	140	FJH	651.5	114	NWL		

655.6	116	CMG	651.5	127	SEN	668.4	136	FJH	654.4	108	FJH	
669.4	:120	BFK	655.5	125	CMG	677.4	133	FJH	655.6	115	CMG	651.4 :146
670.4	122	FJH	657.4	124	FJH				661.5	110	FJH	654.5 147
672.5	119	CMG	661.4	120	SEN	1652-02	SS	Oph	667.4	113	FJH	673.5 147
678.6	119	CMG	669.5	115	BFK	type	Mira		678.6	118	CMG	675.4 :148
			669.5	:116	SEN							
1628-15	T	Oph	670.5	114	WMB	602.6	93	CMG	170627A	RT	Her	175458A
type		Mira	671.4	117	FJH	621.6	110	CMG	type		Mira	type
			672.5	115	CMG	649.5	132	CMG				
677.5	140	CMG	675.5	109	SEN	655.6	139	CMG	592.5	132	FJH	595.3 131
			678.5	114	CMG				602.6	133	CMG	610.5 131
1628-16	S	Oph				165631	RV	Her	621.6	140	CMG	618.3 132
type		Mira	163414	AS	Her	type	Mira		624.5	145	FJH	649.4 130
			type		Mira				644.5	:150	FJH	655.5 129
621.6	114	CMG				592.5	120	FJH	651.4	:146	CMG	663.4 130
649.5	104	CMG	619.6	123	CMG	602.6	112	CMG	651.5	149	FJH	672.5 127
655.6	102	CMG	624.5	123	FJH	611.4	105	CMG	656.4	151	CMG	674.4 130
674.4	103	CMG	645.5	116	FJH	619.6	104	CMG	670.4	:154	FJH	678.5 128
			649.5	119	CMG	624.5	108	FJH				
162807A	SS	Her	654.4	115	FJH	645.4	109	FJH	171401	Z	Oph	175519
type		Mira	655.6	120	CMG	649.5	109	CMG	type		Mira	type
			661.5	115	FJH	655.6	117	CMG				
602.6	106	CMG	672.4	115	FJH	657.4	114	FJH	602.6	99	CMG	602.6 121
619.6	118	CMG	672.5	112	CMG	670.5	121	FJH	621.6	105	CMG	619.6 118
649.5	123	CMG	678.6	105	CMG	672.5	124	CMG	649.5	116	CMG	624.5 113
655.6	117	CMG				678.6	127	CMG	655.6	121	CMG	649.4 101
672.5	91	CMG	164012	UV	Her				672.5	126	CMG	649.5 98
678.6	90	CMG	type		Mira	165722	SY	Her	677.5	129	CMG	655.6 93
						type	Mira					661.4 91
163137	W	Her	624.5	137	FJH	592.5	85	FJH	171723	RS	Her	661.5 91
type		Mira	643.4	131	FJH	602.6	93	CMG	type		Mira	672.4 91
			654.4	131	FJH	611.4	95	CMG				672.5 92
594.5	102	NWL	668.4	125	FJH	612.4	99	BFK	592.5	79	FJH	675.4 90
602.6	103	CMG	675.4	123	CMG	619.6	107	CMG	602.6	83	CMG	678.6 92
611.4	109	CMG				624.5	110	FJH	611.4	82	CMG	
612.4	107	BFK	164025	AH	Her	645.5	129	FJH	612.4	80	BFK	175654
614.5	108	FJH	type		UGZ	649.5	129	CMG	616.5	79	NWL	type
619.6	114	CMG				651.5	131	NWL	619.6	85	CMG	Mira
625.5	109	FJH	657.46	137	FJH	651.6	130	FJH	644.4	90	NWL	592.5 119
643.5	116	FJH	663.44	124	FJH	655.6	132	CMG	645.4	93	FJH	593.4 121
645.6	120	NWL	669.46	144	FJH	656.4	128	FJH	645.5	92	BFK	607.4 129
649.5	121	CMG	670.44	144	FJH	667.4	113	FJH	649.5	96	CMG	612.5 131
651.5	125	NWL	672.44	125	FJH	669.4	113	BFK	655.6	99	CMG	613.4 131
656.4	125	FJH	673.42	114	FJH	671.5	108	BMU	656.4	100	FJH	618.3 133
668.4	129	FJH	674.47	115	FJH	672.5	110	CMG	669.4	:114	BFK	624.5 135
672.5	127	CMG	675.46	119	FJH	678.6	108	CMG	670.5	111	FJH	643.5 141
678.6	128	CMG	677.42	127	FJH				671.5	114	BMU	649.4 140
						1702-15	R	Oph	672.5	113	CMG	649.5 143
163266	R	Dra	1643-19	RR	Oph	type	Mira		678.6	117	CMG	655.5 142
type		Mira	type		Mira							657.5 143
						621.6	89	CMG	172809A	RU	Oph	669.4 143
592.5	126	FJH	621.6	97	CMG	649.5	83	CMG	type		Mira	672.5 143
593.3	125	CMG	650.4	108	CMG	655.6	81	CMG				677.5 143
601.4	126	FJH	675.4	121	CMG	672.5	85	CMG	602.6	126	CMG	678.5 144
607.4	126	CMG				677.4	84	BMU	621.6	133	CMG	
612.4	129	FJH	164715	S	Her				624.5	138	FJH	180531
613.4	128	CMG	type		Mira	170217	VY	Her	644.5	137	FJH	type
618.3	129	CMG				type	Mira		649.5	133	CMG	Mira
624.5	131	FJH	602.6	118	CMG				655.5	130	CMG	602.6 98
643.4	130	FJH	619.6	123	CMG	619.6	97	CMG	668.4	120	FJH	612.5 92
649.4	125	CMG	625.5	128	FJH	624.5	101	FJH	675.4	120	CMG	616.5 90
649.5	130	FJH	643.4	132	FJH	645.4	105	FJH				619.6 85
650.5	124	WMB	649.5	135	CMG	649.5	110	CMG	175111	RT	Oph	625.5 85
651.5	127	NWL	654.4	133	FJH				type		Mira	644.4 88

645.4 91 BFK	611.4 104 CMG	type Mira	type Mira	673.5 148 FJH
645.4 92 FJH	612.5 103 BFK			
649.5 93 CMG	612.6 98 BHN	595.3 141 CMG	624.5 99 FJH	185634 Z Lyr
655.6 97 CMG	619.6 96 CMG	612.5 136 FJH	645.5 105 FJH	type Mira
660.4 96 FJH	625.4 93 SAQ	618.3 140 CMG	654.4 112 FJH	
669.4 111 BFK	644.4 84 NWL	624.5 134 FJH	661.5 117 FJH	602.6 113 CMG
672.5 111 CMG	644.4 87 KKP	643.4 124 FJH	670.5 119 FJH	619.6 119 CMG
673.5 120 FJH	645.4 85 BFK	649.4 127 CMG		624.5 125 FJH
678.6 116 CMG	649.4 85 SAQ	649.5 123 FJH	184134 RY Lyr	644.5 130 FJH
	649.4 86 FJH	655.5 119 CMG	type Mira	651.4 131 CMG
180565 W Dra	649.4 89 KKP	657.4 120 FJH		655.6 139 CMG
type Mira	650.4 87 CMG	671.4 114 FJH	602.6 102 CMG	656.5 135 FJH
	655.6 87 CMG	678.5 108 CMG	619.6 109 CMG	669.4 142 FJH
592.5 132 FJH	660.4 79 FJH		624.5 115 FJH	677.5 143 FJH
593.5 134 CMG	661.4 : 83 KKP	182224 SV Her	644.5 120 FJH	
601.4 135 FJH	661.5 73 NWL	type Mira	650.4 118 CMG	185737 RT Lyr
610.5 135 CMG	662.4 80 SAQ		655.6 121 CMG	type Mira
612.5 137 FJH	668.4 81 KKP	624.5 146 FJH	656.5 124 FJH	
618.3 145 CMG	669.4 77 BFK	644.5 :149 FJH	667.4 125 FJH	624.5 133 FJH
624.5 138 FJH	672.4 77 FJH	651.5 152 FJH	677.5 129 FJH	650.4 114 CMG
644.5 144 FJH	672.5 80 CMG	656.4 149 CMG		651.5 112 FJH
651.4 146 CMG	675.4 73 NWL	670.5 :149 FJH	184137 AY Lyr	655.6 106 CMG
651.4 147 FJH	675.4 82 KKP		type UGSU	667.4 107 FJH
656.4 148 CMG	677.4 77 SAQ	182306 T Ser		672.5 108 CMG
673.4 :149 FJH	678.6 82 CMG	type Mira	654.42 130 FJH	678.6 108 CMG
			656.47 126 FJH	
180666 X Dra	181306 BC Oph	621.6 135 CMG	657.42 126 FJH	185947 WZ Lyr
type Mira	type Mira	649.5 141 FJH	660.42 126 FJH	type Mira
		651.4 142 CMG	661.41 129 FJH	
593.5 :144 CMG	649.5 137 FJH	673.5 145 FJH	663.41 131 FJH	614.5 113 FJH
618.3 144 CMG	673.5 143 FJH	675.4 142 CMG	664.41 131 FJH	624.5 123 FJH
651.4 143 CMG			667.41 135 FJH	644.5 131 FJH
651.4 :152 FJH	181406 AY Oph	183149A SV Dra	668.40 135 FJH	654.5 134 FJH
656.4 143 CMG	type Mira	type Mira	669.43 149 FJH	667.4 132 FJH
673.4 <150 FJH			677.46<155 FJH	677.5 134 FJH
	649.5 129 FJH	593.4 107 CMG		
181031 TV Her	673.5 147 FJH	600.4 114 CMG	1842-05 R Sct	190108 R Aql
type Mira		607.4 117 CMG	type RV	type Mira
	181730 TV Lyr	618.3 126 CMG		
602.6 135 CMG	type Mira	624.5 127 FJH	656.5 58 CMG	602.7 102 CMG
614.5 144 FJH		645.5 138 FJH	675.4 58 CMG	621.6 92 CMG
624.5 145 FJH	645.5 :145 FJH	649.4 138 CMG		651.4 80 CMG
644.5 127 FJH	654.4 144 FJH	654.5 140 FJH	184243 RW Lyr	656.5 77 CMG
649.5 126 CMG	673.5 148 FJH	655.5 138 CMG	type Mira	661.5 71 NWL
651.5 123 NWL		669.4 142 FJH		670.5 71 BFK
655.6 122 CMG	181828 AZ Her		651.5 <156 FJH	674.4 70 CMG
656.4 117 FJH	type Mira	183225 RZ Her		675.4 69 NWL
669.4 106 BFK		type Mira	184826 CY Lyr	
670.5 108 FJH	645.5 141 FJH		type UGSS	190527 TY Lyr
672.5 106 CMG	654.4 147 FJH	645.5 :150 FJH		type Mira
678.6 99 CMG	673.5 150 FJH	651.5 :149 FJH	654.42 135 FJH	644.5 :144 FJH
		656.4 :150 CMG	656.47 150 FJH	654.4 141 FJH
181103 RY Oph	182039 TW Lyr	673.5 145 FJH	673.50<148 FJH	669.4 135 FJH
type Mira	type Mira	677.5 142 CMG	677.45 139 FJH	677.5 135 FJH
602.6 91 CMG	614.5 121 FJH	183308 X Oph	185032 RX Lyr	190529A V Lyr
621.6 93 CMG	621.6 121 CMG	type Mira	type Mira	type Mira
649.5 114 CMG	644.5 129 FJH			
655.6 120 CMG	651.4 139 CMG	621.6 87 CMG	602.6 129 CMG	644.5 <146 FJH
	654.5 129 FJH	650.4 80 CMG	619.6 127 CMG	651.5 149 FJH
181136 W Lyr	667.4 134 FJH	656.4 81 CMG	624.5 137 FJH	674.4 :149 FJH
type Mira	677.4 139 FJH	674.4 79 CMG	644.5 144 FJH	
			656.5 144 FJH	
602.6 115 CMG	182172 RT Dra	183922 AE Her	656.5 <150 CMG	

190529B VZ Lyr type Mira	644.5 135 FJH 667.4 118 FJH 677.5 115 FJH	190643 ST Lyr type Mira	645.5 148 FJH 654.5 145 FJH 669.4 142 FJH 677.5 137 FJH	190925 S Lyr type Mira	654.5 141 FJH 673.5 133 FJH	190933A RS Lyr type Mira	645.5 :152 FJH 651.4 145 CMG	190941 RU Lyr type Mira	624.5 130 FJH 644.5 128 FJH 651.4 133 CMG 656.4 129 FJH 667.4 125 FJH 672.5 124 CMG 678.6 121 CMG	190967 U Dra type Mira	593.4 118 CMG 600.4 119 CMG 607.4 121 CMG 613.4 124 CMG 616.4 125 FJH 624.5 130 FJH 643.4 133 FJH 649.4 133 CMG 649.5 134 FJH 655.5 134 CMG 657.4 135 FJH 668.4 136 FJH 672.5 136 CMG 678.5 138 CMG	1910-07 W Aql type Mira	651.4 143 CMG 677.5 141 CMG	191046 SS Lyr	type Mira	624.5 128 FJH 645.5 132 FJH 651.4 135 CMG 654.5 134 FJH 669.4 138 FJH 677.5 138 FJH	191637 U Lyr type Mira	191831 AN Lyr type Mira	644.5 :148 FJH 654.4 149 FJH 669.5 141 FJH 677.5 126 FJH	192150 CH Cyg type Z And	602.7 83 CMG 617.5 83 JCH 650.4 84 CMG 656.4 81 BMU 656.4 85 CMG 670.4 82 BMU	192928 TY Cyg type Mira	645.5 137 FJH 650.4 140 CMG 656.5 142 FJH 671.4 143 FJH	193311 RT Aql type Mira	621.6 98 CMG 649.5 113 FJH 651.4 111 CMG 673.5 115 FJH 674.4 116 CMG	193428 BG Cyg type Mira	619.6 115 CMG 650.4 117 CMG 655.6 117 CMG 678.6 118 CMG	193449 R Cyg type Mira	619.6 102 CMG 651.5 98 FJH 673.5 102 FJH 674.4 100 CMG	193509 RV Aql type Mira	602.7 113 CMG 611.4 135 CMG 621.6 128 CMG 650.4 109 CMG 655.6 106 CMG 672.5 105 CMG 678.6 107 CMG	194027 YZ Vul type Mira	674.5 152 FJH	194048 RT Cyg type Mira	602.7 78 CMG 611.4 70 CMG 612.5 72 BFK 619.6 70 CMG 625.5 68 FJH 644.5 69 NWL 645.5 73 BFK 649.4 76 FJH 650.4 75 CMG 655.6 74 CMG 660.4 78 FJH 661.5 77 NWL 669.5 85 BFK 670.4 85 BMU 672.5 86 CMG 675.4 88 NWL 678.6 90 CMG	194348 TU Cyg type Mira	602.7 97 CMG 611.4 96 CMG 619.5 96 CMG 649.4 100 FJH 650.4 104 CMG 655.6 108 CMG 661.5 108 FJH 670.4 112 BMU 670.5 114 FJH 672.5 115 CMG 678.6 119 CMG	194604 X Aql type Mira	650.6 130 FJH 673.5 124 FJH 675.4 124 CMG	194632 Chi Cyg type Mira	602.7 105 CMG 619.6 111 CMG 645.5 124 FJH 650.4 123 CMG 655.6 124 CMG 656.5 127 FJH 668.4 132 FJH 671.5 128 BMU 672.5 127 CMG	195035 V1819Cyg type Nb	649.51:150 FJH 656.49 150 FJH 673.53 150 FJH	1952-02 RR Aql type Mira	677.5 89 CMG	195377 AB Dra type UGZ	601.46 138 FJH 651.42:144 FJH 657.47 125 FJH 669.50 125 FJH 670.47 126 FJH 674.46 138 FJH 675.47 140 FJH	195533 V482Cyg type RCB	645.5 135 FJH 649.5 136 FJH	654.5 133 FJH 664.4 127 FJH 668.4 128 FJH 673.5 125 FJH	195551 CM Cyg type Mira	602.7 107 CMG 611.4 105 CMG 619.6 105 CMG 649.5 104 FJH 650.4 106 CMG 655.6 107 CMG 660.4 108 FJH 672.5 112 CMG 674.4 109 FJH 678.6 119 CMG	195818 TX Sge type Mira	649.5 131 FJH 670.5 123 FJH	195849 Z Cyg type Mira	602.7 116 CMG 611.4 122 CMG 619.6 123 CMG 651.4 129 CMG 655.6 129 CMG 664.4 135 FJH 672.5 132 CMG 674.4 134 FJH	200212 SY Aql type Mira	649.5 102 FJH 651.4 105 CMG 673.5 111 FJH 674.4 108 CMG	200250 BU Cyg type Mira	649.5 113 FJH 651.4 108 CMG 660.4 113 FJH 672.5 117 CMG 674.4 121 FJH 678.6 121 CMG	200357 S Cyg type Mira	602.7 135 CMG 619.6 129 CMG 649.5 116 FJH 650.4 102 CMG 655.6 103 CMG 660.4 110 FJH
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672.4 112 FJH	651.5 136 SEN	645.5 117 FJH	593.4 99 CMG
672.5 102 CMG	655.6 137 CMG	660.4 122 FJH	594.5 97 FJH
678.6 104 CMG	656.5 138 FJH	674.4 132 FJH	595.5 94 WMB
<hr/>	670.5 138 FJH	<hr/>	596.3 96 BFK
200812 RU Aql type Mira	<hr/>	203513 SS Del type Mira	600.3 98 CMG
649.5 126 FJH	201621 PU Vul type NL	650.5 128 FJH	611.3 89 SAQ
651.4 126 CMG	649.5 99 FJH	673.5 143 FJH	611.4 90 BMU
673.5 107 FJH	656.5 102 BMU	<hr/>	612.3 94 CMG
674.4 105 CMG	661.5 99 FJH	203537 FF Cyg type Mira	612.4 91 BFK
<hr/>	671.5 103 BMU	602.7 127 CMG	612.6 94 BHN
2009-06 Z Aql type Mira	201647 U Cyg type Mira	621.6 111 CMG	617.3 92 CMG
677.5 105 CMG	602.7 108 CMG	650.4 108 CMG	625.4 87 SAQ
<hr/>	611.4 104 CMG	655.6 108 CMG	648.4 84 CMG
200938 RS Cyg type SRa	619.6 100 CMG	672.5 106 CMG	649.4 84 SAQ
650.6 80 NWL	649.4 101 FJH	678.6 104 CMG	650.5 84 WMB
661.5 80 NWL	650.4 97 CMG	<hr/>	653.4 83 BFK
661.5 83 SEN	660.4 99 FJH	203611 Y Del type Mira	655.5 84 CMG
675.4 77 NWL	672.5 97 CMG	650.5 <142 FJH	662.4 78 SAQ
<hr/>	678.6 97 CMG	<hr/>	670.5 70 WMB
201008 R Del type Mira	202227 QU Vul type Na	203718 HR Del type Nb	672.4 75 CMG
650.5 125 FJH	649.52 142 FJH	651.5 121 FJH	675.4 74 BMU
651.4 126 CMG	656.50 145 FJH	<hr/>	677.4 76 SAQ
673.5 129 FJH	674.46 145 FJH	203816 S Del type Mira	678.5 75 CMG
675.4 131 CMG	<hr/>	651.4 95 CMG	<hr/>
<hr/>	202512 RX Del type Mira	675.4 93 CMG	211614 X Peg type Mira
201130 SX Cyg type Mira	650.5 103 FJH	675.5 90 NWL	650.6 100 FJH
602.7 :146 CMG	673.5 109 FJH	<hr/>	674.5 95 FJH
621.6 :140 CMG	<hr/>	203847 V Cyg type Mira	<hr/>
645.5 139 FJH	202817 Z Del type Mira	602.7 127 CMG	212216 TV Peg type Mira
650.4 :139 CMG	651.5 147 FJH	611.4 136 CMG	650.6 141 FJH
656.5 137 FJH	674.5 146 FJH	621.6 140 CMG	674.5 121 FJH
670.5 135 FJH	675.4 :145 CMG	645.5 138 FJH	<hr/>
<hr/>	202918 AG Del type Mira	650.4 139 CMG	213244 W Cyg type SRb
201437B WX Cyg type Mira	651.5 <153 FJH	655.6 139 CMG	653.4 67 CMG
602.7 131 CMG	202954 ST Cyg type Mira	668.4 135 FJH	<hr/>
621.6 132 CMG	595.3 136 CMG	<hr/>	213678 S Cep type Mira
650.4 130 CMG	611.4 139 CMG	203918 ES Del type Mira	593.4 97 CMG
661.5 123 SEN	621.6 136 CMG	651.5 139 FJH	594.5 95 FJH
672.5 124 CMG	649.5 139 FJH	673.5 139 FJH	595.5 93 WMB
678.6 124 CMG	650.4 140 CMG	<hr/>	602.3 97 CMG
<hr/>	655.6 140 CMG	204016 T Del type Mira	610.5 93 FJH
201559 CN Cyg type Mira	671.5 140 FJH	649.5 103 FJH	610.5 96 CMG
595.3 118 CMG	202962 BF Cep type Mira	651.4 98 CMG	612.4 91 BFK
611.4 122 CMG	621.6 136 CMG	673.5 106 FJH	612.6 94 BHN
621.6 126 CMG	649.5 139 FJH	675.4 109 CMG	616.4 88 WMB
625.5 118 NWL	650.4 140 CMG	<hr/>	648.4 86 CMG
625.5 123 SEN	655.6 140 CMG	204318 V Del type Mira	649.4 83 FJH
645.5 134 FJH	671.5 140 FJH	649.5 103 FJH	650.5 85 WMB
650.4 139 CMG	<hr/>	651.4 98 CMG	655.5 85 CMG
651.5 136 NWL	202962 BF Cep type Mira	673.5 106 FJH	671.4 83 BFK
	202962 BF Cep type Mira	675.4 109 CMG	672.4 80 CMG
	202962 BF Cep type Mira	<hr/>	675.4 82 BMU
	202962 BF Cep type Mira	204318 V Del type Mira	678.5 81 CMG
	202962 BF Cep type Mira	651.5 <153 FJH	
	202962 BF Cep type Mira	205017 X Del type Mira	
	202962 BF Cep type Mira	650.5 136 FJH	
	202962 BF Cep type Mira	651.4 138 CMG	
	202962 BF Cep type Mira	673.5 131 FJH	
	202962 BF Cep type Mira	675.4 133 CMG	
	202962 BF Cep type Mira	205923A R Vul type Mira	
	202962 BF Cep type Mira	621.6 94 CMG	
	202962 BF Cep type Mira	651.4 86 CMG	
	202962 BF Cep type Mira	656.4 86 CMG	
	202962 BF Cep type Mira	670.5 94 BFK	
	202962 BF Cep type Mira	674.4 98 CMG	
	202962 BF Cep type Mira	210129 TW Cyg type Mira	
	202962 BF Cep type Mira	650.4 137 CMG	
	202962 BF Cep type Mira	674.4 128 CMG	
	202962 BF Cep type Mira	210382 X Cep type Mira	
	202962 BF Cep type Mira	593.4 90 CMG	
	202962 BF Cep type Mira	594.5 90 FJH	
	202962 BF Cep type Mira	600.3 88 CMG	
	202962 BF Cep type Mira	607.4 89 CMG	
	202962 BF Cep type Mira	610.5 88 FJH	
	202962 BF Cep type Mira	612.3 89 CMG	
	202962 BF Cep type Mira	617.3 89 CMG	
	202962 BF Cep type Mira	648.4 90 CMG	
	202962 BF Cep type Mira	649.4 97 FJH	
	202962 BF Cep type Mira	655.5 92 CMG	
	202962 BF Cep type Mira	660.4 96 FJH	
	202962 BF Cep type Mira	671.4 100 FJH	
	202962 BF Cep type Mira	672.4 102 CMG	
	202962 BF Cep type Mira	678.5 104 CMG	
	202962 BF Cep type Mira	210612 AN Peg type Mira	
	202962 BF Cep type Mira	674.5 119 FJH	
	202962 BF Cep type Mira	210812 R Equ type Mira	
	202962 BF Cep type Mira	650.6 121 FJH	
	202962 BF Cep type Mira	651.5 121 CMG	
	202962 BF Cep type Mira	674.5 136 FJH	
	202962 BF Cep type Mira	210818 AS Peg type Mira	
	202962 BF Cep type Mira	674.5 144 FJH	
	202962 BF Cep type Mira	210868 T Cep type Mira	

213753 RU Cyg type SR	595.3 96 CMG 621.6 112 CMG 650.4 119 CMG	669.5 127 FJH 674.4 130 CMG	233956 Z Cas type Mira	type Mira
610.7 87 SEN 618.7 87 SEN 643.5 86 SEN 650.6 87 SEN 661.5 87 SEN 669.5 87 SEN 675.5 87 SEN	650.5 123 FJH 655.6 126 CMG 669.5 131 FJH	224517 SX Peg type Mira	594.3 150 FJH 675.4 147 FJH 677.5 148 CMG	595.3 101 CMG 650.5 126 FJH 669.5 129 FJH
213843 SS Cyg type UGSS	215934 RT Peg type Mira	674.5 90 FJH	225542 SZ And type Mira	
595.27 113 CMG 602.67 120 CMG 621.83 87 CMG 625.52 81 FJH 650.43 116 FJH 650.43 118 CMG 650.5 119 SAQ 651.40 119 CMG 651.59 117 FJH 653.35 119 CMG 655.55 119 CMG 656.43 120 CMG 656.45 120 BMU 656.50 118 FJH 661.49 117 FJH 664.42 117 FJH 668.45 84 FJH 669.44 83 BFK 669.46 83 FJH 670.42 84 BMU 670.46 84 BFK 670.48 84 FJH 671.43 86 BMU 671.43 89 BFK 671.45 88 FJH 673.47 101 BMU 674.41 100 CMG 675.42 106 CMG 675.43 107 FJH 675.44 107 BMU 677.4 114 SAQ 677.43 111 BMU 677.47 108 CMG 678.47 112 CMG	651.6 :150 FJH 674.5 :146 FJH	650.5 125 FJH 669.5 122 FJH	235053 RR Cas type Mira	
220133B RZ Peg type Mira	220412 T Peg type Mira	230110 R Peg type Mira	594.3 142 FJH 595.3 145 CMG 650.5 119 FJH 661.5 117 FJH 669.5 116 FJH 675.4 116 FJH 677.5 113 CMG	
651.6 128 FJH 674.5 128 FJH	220714 RS Peg type Mira	674.5 83 FJH	235255 WY Cas type Mira	
651.6 :140 FJH 674.5 134 FJH	650.6 102 FJH 674.5 93 FJH	230759 V Cas type Mira	594.3 125 FJH 595.3 125 CMG 602.3 122 CMG 611.4 112 CMG 617.3 111 CMG 651.5 92 FJH 653.4 89 CMG 661.5 91 FJH 672.5 93 CMG 678.5 91 CMG	
220912 RU Peg type UGSS	222129 RV Peg type Mira	602.3 88 CMG 603.4 88 BFK 608.3 90 CMG 611.4 95 SEN 612.4 99 BHN 616.4 98 WMB 619.3 100 CMG 625.3 106 BFK 625.5 102 NWL 625.5 104 SEN 650.5 113 WMB 650.5 120 FJH 653.4 116 CMG 661.5 :120 SEN 664.4 122 FJH 672.4 124 CMG 675.4 126 FJH 678.5 127 CMG	235350 R Cas type Mira	
651.58 127 FJH 674.52 109 FJH	651.6 140 FJH	231425 W Peg type Mira	593.3 89 CMG 594.3 89 BFK 594.4 87 NWL 594.4 89 BHN 600.4 92 CMG 607.3 92 CMG 610.3 92 NWL 611.4 93 BMU 612.3 93 CMG 612.4 92 BHN 616.4 90 WMB 619.3 95 CMG 650.5 105 FJH 655.6 100 CMG 669.5 104 BFK 669.5 106 FJH 672.5 106 CMG 678.5 108 CMG	
222439 S Lac type Mira	651.5 83 FJH 653.4 85 CMG 656.5 86 CMG 670.5 89 BFK 671.5 89 FJH 674.4 89 CMG	674.5 91 FJH	235855A Y Cas type Mira	
222924 SS Peg type Mira	651.5 83 FJH 653.4 85 CMG 656.5 86 CMG 670.5 89 BFK 671.5 89 FJH 674.4 89 CMG	231839 BU And type Mira	594.3 148 FJH 595.3 :144 CMG 650.5 146 FJH 675.4 147 FJH 677.5 144 CMG	
650.6 123 FJH 674.5 122 FJH	650.6 125 FJH	650.5 127 FJH 669.5 133 FJH	232642 BG And type Mira	
214012 TU Peg type Mira	222841 R Lac type Mira	669.5 133 FJH	650.5 96 FJH 669.5 96 FJH	
650.6 123 FJH 674.5 122 FJH	650.5 119 FJH 653.4 119 CMG 656.5 117 CMG	232848 Z And type Z And	235939 SV And	
214024 RR Peg type Mira	650.5 119 FJH 653.4 119 CMG 656.5 117 CMG	595.3 105 CMG 650.5 107 FJH		
649.5 132 FJH 674.5 105 FJH	214443 WY Cyg type Mira			