

BBSAG Bulletin 70

1984 February 6

103rd List of Minima of Eclipsing Binaries

The following table lists 208 visual minima obtained mainly during December 1983 and January 1984 by the observers

DE Demetrius P. Elias, Penteli, Greece
 RG Robert Germann, Wald, Switzerland
 MKo Michael Kohl, Uster, Switzerland
 RLø Robert Leyman, Leval-Trahegnies, Belgium
 KL Kurt Locher, Grüt, Switzerland
 CPa Carlo Pampaloni, Firenze, Italy
 HP Hermann Peter, Stelfingen, Switzerland
 PWi Patrick Wils, Niel, Belgium

The O-C values refer to the linear elements of the GCVS 1969, disregarding improved elements in the 1971, 1974, and 1976 supplements to the GCVS. Reductions were made mainly using the tracing paper method.

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(footnotes to page 2 :)

- * GCVS 1969 period erroneous, O-C according to the GCVS 1976 :
+.023 +.028 +.031 +.028
- ** O-C according to the GCVS would amount to one whole period, O-C according to the elements of BBSAG Bulletin 57, page 6 : .000
- *** not contained in the GCVS 1969, O-C according to the GCVS 1976 : +.098
- **** not contained in the GCVS, O-C according to the elements of BBSAG Bulletin 65, page 6 : +.166 +.175 +.186 +.194 +.224 +.207 +.210 +.212 +.187 +.228 +.236 +.215
- ***** no period given by the GCVS, O-C according to the elements of BBSAG Bulletin 27, page 7 : +.130
- ***** GCVS period erroneous, O-C according to the elements of BBSAG Bulletin 53, page 5 : +.001
- § §§ ambiguous minimum orders due to the lack of pre-recent observations: Judged from the O-C, § should be secondary and §§ primary, but judged from the observed brightness, reversely.
- §§§ not contained in the GCVS 1969, O-C according to the GCVS 1976 : +.008 +.008 +.003
- §§§§ not contained in the GCVS 1969, O-C according to the GCVS 1976 : +.019
- §§§§§ not contained in the GCVS, O-C according to the elements of BBSAG Bulletin 63, page 5 : +.115 +.118 +.140 : +.122 +.116 +.122 +.142 +.114 +.114 +.131 +.136
- §§§§§§ GCVS 1969 period erroneous, O-C according to the GCVS 1976 : -.016 -.034 -.017
- // not contained in the GCVS 1969, O-C according to the GCVS 1974 : -.026 -.026 -.041 -.028 -.022

cur- rent no.	star	minimum or- JD hel der 244...	0-C n	ob- ser- ver	cur- rent no.	star	minimum or- JD hel der 244 ..	0-C n	ob- ser- ver
20963	TW And	I 5670.414	+.013	9 KL	21009	UU Cma	I 5705.459	-.379	5 KL
20964	UU And	I 5727.256	+.132	6 KL	21010	EG Cma	I 5705.379	*****	7 KL
20965	WZ And	I 5670.244	-.030	6 KL	21011	AK CMi	I 5697.449	+.032	8 HP
20966	XZ And	I 5673.286	-.054	8 HP	21012		I 5705.366	+.027	7 HP
20967		I 5730.289	-.057	8 KL	21013	RZ Cas	I 5643.394	+.002	20 CPa✓
20968	EP And	I 5680.251	*	7 MKo	21014	AB Cas	I 5694.250	+.002	7 MKo
20969		II 5680.459	*	7 KL	21015		I 5698.339	-.010	7 HP
20970		I 5694.402	*	8 MKo	21016		I 5698.345	-.004	7 MKo
20971		I 5701.270	*	6 MKo	21017	IR Cas	I 5680.345	-.113	9 MKo
20972	EX And	I 5725.375	**	7 KL	21018		I 5697.362	-.112	9 RG
20973	GZ And	II 5671.227	***	8 KL	21019	IV Cas	I 5697.446	+.138	6 KL
20974	AT Aqr	§ 5671.248	+.037	6 KL	21020		I 5697.450	+.142	7 HP
20975	AY Aqr	§ 5701.260	-.004	6 KL	21021	V 389 Cas	I 5701.365	+.294	10 RG
20976	CX Aqr	I 5691.269	+.018	6 RG	21022		I 5701.368	+.297	8 MKo
20977	CZ Aqr	I 5705.218	+.012	6 KL	21023	V 523 Cas	I 5680.295	§§§§	6 MKo
20978	RS Ari	I 5711.407	-.076	8 KL	21024		I 5694.316	§§§§	7 MKo
20979	SS Ari	I 5674.266	-.110	6 RG	21025		I 5701.322	§§§§	6 MKo
20980		I 5674.270	-.107	9 KL	21026	IO Cep	I 5691.211	§§§§	6 KL
20981		II 5701.265	-.110	8 RG	21027	NSV 817 Cep	I 5670.329	§§§§§§§§	10 KL
20982	TX Ari	I 5698.407	-.154	6 KL	21028		I 5680.258	§§§§§§§§	8 KL
20983		I 5725.321	-.154	6 KL	21029		II 5693.753	§§§§§§§§	6 KL
20984	RY Aur	I 5705.361	+.002	13 HP	21030		I 5694.444	§§§§§§§§	6 KL
20985	CL Aur	I 5698.400	+.045	9 HP	21031		I 5697.273	§§§§§§§§	8 KL
20986	FW Aur	I 5670.414	-.029	6 KL	21032		I 5700.589	§§§§§§§§	8 KL
20987		I 5729.273	-.049	4 KL	21033		I 5702.499	§§§§§§§§	8 KL
20988	HL Aur	I 5686.653	+.004	5 KL	21034		I 5705.307	§§§§§§§§	9 KL
20989		I 5698.469	-.008	8 HP	21035		II 5727.289	§§§§§§§§	7 KL
20990		I 5705.333	+.008	8 HP	21036		I 5730.378	§§§§§§§§	8 KL
20991	TU Boo	II 5678.717	-.012	6 KL	21037		I 5731.328	§§§§§§§§	7 KL
20992		II 5680.671	-.003	6 KL	21038	TW Cet	I 5670.384	-.022	6 KL
20993	Y Cam	I 5702.315	+.202	6 KL	21039		II 5680.352	-.033	6 KL
20994	TU Cnc	I 5693.457	-.043	6 KL	21040		I 5691.278	-.040	6 KL
20995	WW Cnc	I 5702.406	-.318	7 MKo	21041		II 5694.294	-.034	4 MKo
20996	NSV 4187 Cnc	II 5670.644	****	11 KL	21042		I 5697.308	-.030	8 RG
20997		I 5680.408	****	6 KL	21043		II 5701.261	-.038	6 MKo
20998		II 5686.626	****	6 KL	21044		II 5701.263	-.036	8 RG
20999		II 5693.729	****	6 KL	21045	TX Cet	I 5673.348	+.004	13 HP
21000		II 5694.350	****	6 KL	21046	VY Cet	I 5670.345	§§§§§§§§	6 KL
21001		I 5697.585	****	6 KL	21047		II 5691.285	§§§§§§§§	5 KL
21002		II 5698.474	****	6 KL	21048		II 5705.274	§§§§§§§§	6 KL
21003		I 5700.545	****	10 KL	21049	AA Cet	II 5670.328	//	8 KL
21004		II 5702.590	****	7 KL	21050		I 5680.297	//	9 KL
21005		I 5710.612	****	6 KL	21051		II 5691.274	//	6 KL
21006		II 5711.507	****	6 KL	21052		I 5702.278	//	7 KL
21007		II 5730.404	****	6 KL	21053		II 5705.233	//	11 KL
21008	YZ CVn	I 5711.549	*****	5 KL	21054	RZ Com	I 5718.699	+.003	7 KL
					21055	CC Com	II 5680.689	+.175	7 RG
					21056	W Crv	I 5700.666	.000	7 KL
					21057		I 5702.606	-.001	6 KL

current no.	star	minimum or-der	JD hel 244...	O-C n	ob-serve	current no.	star	minimum or-der	JD hel 244...	O-C n	ob-serve
21058	Z Crv	I	5701.707	-.018	9 KL	21096	CT Her	I	5702.683	+.063	8 KL
21059	V Crt	I	5679.736	+.025	7 KL	21097	DQ Her	I	5701.674	+.006	5 KL
21060	WZ Cyg	I	5702.277	+.028	5 MKo	21098	TY Hya	I	5697.688	+.250	6 KL
21061	V 387 Cyg	I	5670.400	+.060	6 KL	21099	WY Hya	I	5710.475	+.014	7 KL
21062		I	5697.317	+.072	6 HP	21100	DE Hya	I	5730.432	+.020	6 KL
21063	V 456 Cyg	I	5674.226	+.035	10 KL	21101	TW Lac	I	5698.231	-.156	6 KL
21064		I	5698.277	+.024	7 MKo	21102	VX Lac	I	5673.218	-.087	8 HP
21065		I	5698.280	+.027	8 HP	21103	AU Lac	I	5680.285	-.084	7 KL
21066	SVS 2194 Cyg	I	5680.252	*	9 DE	21104	DG Lac	I	5705.307	+.260	9 HP
21067	NSV 13198 Cyg	I	5680.326	**	9 KL	21105	Y Leo	I	5694.424	+.143	6 KL
21068		I	5694.379	**	6 KL	21106	UU Leo	I	5711.572	-.025	5 KL
21069		I	5697.328	**	8 KL	21107	BL Leo	II	5697.698	+.005	6 KL
21070	NSV 13250 Cyg		5670.6	***	4 KL	21108	T LMi	I	5702.382	-.141	5 KL
21071			5695.9	***	6 KL	21109		I	5705.402	-.140	8 KL
21072	TY Del	I	5694.277	+.025	6 MKo	21110		I	5711.436	-.146	8 KL
21073	YY Del	I	5674.257	+.026	7 RG	21111	RU Lep <i>ull</i>	I	5697.414	-.088	7 KL
21074		I	5674.264	+.033	10 KL	21112	RY Lyn	I	5694.305	*****	6 KL
21075	Z Dra	I	5686.588	+.018	9 KL	21113	SX Lyn	I	5694.253	-.406	7 MKo
21076		I	5727.308	+.016	7 KL	21114		I	5698.300	-.404	6 KL
21077	UZ Dra	I	5718.660	+.002	6 KL	21115		I	5710.441	-.398	7 KL
21078	AI Dra	I	5635.318	+.016	9 RLe	21116	AY Mon	I	5701.532	-.290	8 KL
21079	CM Dra	I	5678.705	****	6 KL	21117	BM Mon	I	5702.530	+.020	6 KL
21080		I	5697.709	****	5 KL	21118	BO Mon	I	5670.502	+.181	8 KL
21081	WX Eri	I	5705.367	-.005	6 MKo	21119		I	5710.558	+.183	7 KL
21082		I	5705.384	+.012	10 HP	21120	BP Mon	I	5725.343	-.775	8 KL
21083	AK Eri	I	5697.308	+.561	6 KL	21121	HM Mon	I	5700.625	+.108	6 KL
21084	AM Eri	I	5701.417	*****	7 KL	21122		I	5730.366	+.090	6 KL
21085		II	5725.304	*****	7 KL	21123	FK Ori	I	5680.512	+.347	8 KL
21086	U Gem	I	5697.435	+.013	15 Pwi	21124	QT Ori	I	5725.453	-.306	9 KL
21087	RW Gem	I	5702.538	+.001	6 KL	21125	UX Peg	I	5612.303	-.024	6 RG
21088		I	5705.400	-.003	10 MKo	21126		I	5680.260	-.030	8 MKo
21089		I	5705.408	+.005	8 KL	21127		I	5697.258	-.023	7 RG
21090	AF Gem	I	5705.397	-.022	6 HP	21128		I	5697.261	-.020	7 HP
21091		I	5705.399	-.021	9 MKo	21129	RT Per	I	5697.473	-.068	9 HP
21092	BO Gem	I	5697.545	+.089	7 HP	21130		I	5698.316	-.074	10 MKo
21093		I	5697.554	+.098	6 KL	21131	XZ Per	I	5694.427	+.007	6 MKo
21094	GW Gem	I	5697.303	-.021	6 RG	21132		I	5701.340	+.011	8 MKo
21095	CC Her	I	5702.690	+.119	7 KL						

* not contained in the GCVS, O-C according to Шырапов 's elements Астрономический Циркуляр 949, 1977: +.106

** not contained in the GCVS, O-C according to the elements of BBSAG Bulletin 68, page 7: -.030 -.028 -.038

*** not contained in the GCVS, O-C according to the elements of BBSAG Bulletin 68, page 6: -2.0 -4.8

**** GCVS 1969 elements incomplete, O-C according to Martins' elements PASP 87, page 168, 1975: -.607 -.634

***** O-C according to the GCVS would amount to several entire periods, O-C according to the elements of BBSAG Bulletin 50, page 5: -.016 -.031

***** O-C according to the elements of BBSAG Bulletin 50, page 5: -.016 -.031

cur- rent no.	star	minimum or- JD hel der 244...	0-C n	ob- ser- ver	cur- rent no.	star	minimum or- JD hel der 244...	0-C n	ob- ser- ver
21133	KW Per	I 5680.506	+.052	6 KL	21153	BN Tau	I 5670.505	+.044	6 KL
21134		I 5697.270	+.053	6 RG					
21135		I 5697.270	+.053	6 HP	21154	EQ Tau	II 5697.261	***	7 RG
21136	SX Psc	I 5697.448	-.036	6 HP	21155	ES Tau	I 5671.301	****	6 KL
21137		I 5698.284	-.026	8 HP	21156		I 5701.322	****	6 KL
21138	RW PsA	II 5670.228	-.058	6 KL	21157	GR Tau	I 5721.332	+.003	8 PWi
21139	AY Pup	I 5670.575	+.062	8 KL	21158	IL Tau	I 5701.545	*****	5 KL
21140		II 5697.530	+.053	6 KL	21159	V Tri	I 5673.380	+.016	8 HP
21141		I 5700.583	+.058	6 KL	21160		I 5697.371	+.014	9 RG
21142	DF Pup	I 5701.482	+.132	8 KL	21161		I 5697.374	+.017	8 HP
21143		I 5725.403	+.138	6 KL	21162	X Tri	I 5689.356	-.045	9 KL
21144	RT Scl	I 5670.291	-.168	8 KL	21163		I 5691.298	-.046	10 RG
21145		I 5691.270	-.163	8 KL	21164	RW Tri	I 5701.406	-.005	6 KL
21146		I 5711.224	-.161	7 KL	21165	UX UMa	I 5702.652	+.001	6 KL
21147	AU Ser	I 5717.716	*	6 KL	21166	XZ UMa	I 5711.282	-.069	6 KL
21148	LX Ser	I 5701.645	**	7 KL	21167	AC UMa	I 5702.304	+.323	7 KL
21149	RW Tau	I 5731.276	-.095	6 KL	21168	AY Vul	I 5621.336	+.052	6 DE
21150	AH Tau	I 5730.296	-.054	8 KL	21169	BU Vul	I 5674.279	.000	6 RG
21151	AM Tau	I 5680.600	-.180	6 KL	21170	GP Vul	I 5680.224	-.029	6 KL
21152		I 5711.248	-.192	6 KL					

- * GCVS 1969 elements too inaccurate for reasonable reduction, 0-C according to the GCVS 1974 : -.003
- ** not contained in the GCVS, 0-C according to the elements of Africano, Horne, and Margon IAUC 3466 : +.025
- *** GCVS 1969 period erroneous, 0-C according to the GCVS 1976 : +.002
- **** GCVS period erroneous, 0-C according to the elements of BBSAG Bulletin 58, page 5 : -.001 -.004
- ***** no period given by the GCVS 1969, 0-C according to the GCVS 1974: -.066

7th Report on Visual Survey of NSV Stars Suspected to be Eclipsing

Improvements with respect to previous reports are underlined>.

NSV no.	Con- stel- la- tion	catalogued am- pli- tude	* type	resulting am- pli- tude	* type	number nights sur- veyed	remarks
349	And	1.1v	EA:	<u>0.3v</u>	S	7	
403	Psc	0.6p	S	0.0v	CST:	<u>18</u>	
588	Cas	1.1p	EA	0.3v	S	<u>34</u>	
817	Cep	1.0p	EA	1.1v	EB	<u>78</u>	see BBSAG Bulletin 63, page 5
1212	Tau	1.0p	EA	0.2v	CST:	<u>37</u>	
1855	Eri	1.5p	S	0.9v	RR	<u>8</u>	n < 4 cf. 1 st report BBSAG B.64
3262	Mon	1.4p	EA:	0.5v	DSCT:	<u>12</u>	0.05 day cycles often present
3324	Mon	1.0p	EA:	0.0v	CST:	<u>15</u>	
3573	Cam	0.7p	S	0.4v	S	<u>7</u>	

continued next page

3772	Mon	2.5p	EA	0.0v	CST:	<u>26</u>	
3835	CMi	1.1p	S:	0.3v	S:	<u>18</u>	
4187	Cnc	1.7p	S	0.8v	EW	<u>38</u>	see BBSAG Bulletin 65, p. 6
4399	Hya	1. p	E:	0.1v	CST:	<u>10</u>	
4497	UMa	1.3p	E	0.5v	S	<u>38</u>	
4782	Leo	1.5p	S	1.1v	RR	<u>11</u>	$JD_{max} = 2445345.53 + .52875E$
5183	UMa	1.0p	E	0.1v	CST:	<u>23</u>	
5501	UMa	0.6p	EW:	0.0v	CST:	<u>8</u>	
5519	UMa	1.0p	EA	0.1v	CST:	<u>36</u>	
5722	CVn	1.0p	EA	0.3v	S	<u>17</u>	
13198	Cyg	1.2p	S	1.0v	EA	<u>30</u>	see BBSAG Bulletin 68, p. 7
13250	Cyg	1.5p	S	1.1v	EBorDCEP	<u>50</u>	see BBSAG Bulletin 68, p. 6
14231	Aqr	0.8p	EA	0.3v	S	<u>6</u>	
14714	Cep	0.5p	EA	0.2v	CST:	<u>4</u>	

K.Locher

I N D E X O F S T A R N A M E S BBSAG Bulletins 1 through 70

In a scheme identical with the one in BBSAG Bulletin 60, pages 5 and 6 we give for each star after a :-sign the latest Bulletin no. where a minimum has been published. Wherever photoelectric minima exist, the whole entry is underlined, and visual minima are completely ignored.

And	<u>RT:56</u> <u>TT:69</u> <u>TW:70</u> <u>UU:70</u> <u>WX:57</u> <u>WZ:70</u> <u>XZ:70</u> <u>AB:69</u> <u>AD:32</u> <u>AP:25</u> <u>BL:51</u> <u>BO:61</u> <u>BX:40</u> <u>CN:39</u> <u>CO:63</u> <u>CP:19</u> <u>CU:19</u> <u>EP:70</u> <u>EX:70</u> <u>GK:39</u> <u>GZ:70</u>
Ant	<u>S:26</u> <u>SW:57</u>
Aqr	<u>RY:68</u> <u>XZ:69</u> <u>AM:17</u> <u>AT:70</u> <u>AU:69</u> <u>AY:70</u> <u>BW:10</u> <u>BX:23</u> <u>CQ:23</u> <u>CR:68</u> <u>CX:70</u> <u>CZ:70</u> <u>DD:23</u> <u>DX:23</u> <u>EE:57</u> <u>EK:6</u>
Aql	<u>XZ:68</u> <u>YZ:17</u> <u>FK:67</u> <u>KO:44</u> <u>KP:57</u> <u>LT:62</u> <u><u>OO:56</u></u> <u><u>V337:49</u></u> <u><u>V340:49</u></u> <u><u>V342:44</u></u> <u><u>V343:69</u></u> <u><u>V346:69</u></u> <u><u>V407:61</u></u> <u><u>V416:65</u></u> <u><u>V417:56</u></u> <u><u>V420:56</u></u> <u><u>V479:69</u></u> <u><u>V557:68</u></u> <u><u>V589:61</u></u> <u><u>V602:49</u></u> <u><u>V688:60</u></u> <u><u>V760:68</u></u> <u><u>V762:56</u></u> <u><u>V803:69</u></u> <u><u>V805:56</u></u> <u><u>V829:66</u></u> <u>V1045:61</u> <u>V1168:50</u>
Ari	<u>RS:70</u> <u><u>SS:57</u></u> <u>SZ:46</u> <u>TX:70</u>
Aur	<u>RY:70</u> <u><u>RZ:64</u></u> <u><u>SX:57</u></u> <u>TT:59</u> <u>WW:69</u> <u>ZZ:65</u> <u>AH:47</u> <u>AM:21</u> <u>AP:27</u> <u>AR:65</u> <u>BF:53</u> <u>CL:70</u> <u>EP:31</u> <u><u>FW:70</u></u> <u>HL:70</u> <u>HS:19</u> <u><u>IM:59</u></u> <u><u>IY:65</u></u> <u>KO:65</u> <u>LY:40</u>
Boo	<u>SU:66</u> <u>TU:70</u> <u>TY:47</u> <u>TZ:55</u> <u>UW:60</u> <u><u>VW:47</u></u> <u><u>XY:54</u></u> <u>YY:37</u> <u>ZZ:68</u> <u><u>AC:60</u></u> <u><u>AD:60</u></u> <u>AR:47</u> <u>i:21</u>
Cam	<u>Y:70</u> <u>SV:61</u> <u>WW:19</u> <u>XZ:64</u> <u>AK:4</u> <u>AL:63</u> <u>AQ:59</u> <u>AS:21</u> <u>AT:64</u> <u>AY:30</u> <u>AZ:26</u>
Cnc	<u>S:2</u> <u>RY:69</u> <u>RZ:22</u> <u>SW:65</u> <u>TU:70</u> <u>TW:66</u> <u><u>IX:59</u></u> <u>TY:46</u> <u>WW:70</u> <u>WX:66</u> <u>WY:66</u> <u>NSV4187:70</u>
CVn	<u>RS:9</u> <u>VW:61</u> <u>VZ:54</u> <u>YZ:70</u>
CMA	<u>R:66</u> <u>RR:57</u> <u>RU:64</u> <u>RX:68</u> <u>TU:65</u> <u>TX:21</u> <u>UU:70</u> <u>UX:26</u> <u>EE:58</u> <u>EG:70</u>
CMi	<u>TY:37</u> <u>XZ:37</u> <u><u>YY:59</u></u> <u>AG:65</u> <u>AK:70</u>
Cap	<u>TY:69</u> <u>UW:29</u> <u><u>WZ:23</u></u> <u>NSV13478:69</u> <u>NSV13710:68</u>
Cas	<u>RZ:70</u> <u>TV:69</u> <u>TW:53</u> <u>XX:69</u> <u>ZZ:30</u> <u>AB:70</u> <u>AL:50</u> <u>BM:31</u> <u>CW:52</u> <u>EP:50</u> <u>IR:70</u> <u>IS:51</u> <u>IV:70</u> <u>KT:69</u> <u><u>LR:53</u></u> <u>MN:32</u> <u>OR:69</u> <u>OX:23</u> <u><u>PV:57</u></u> <u><u>V345:62</u></u> <u><u>V355:68</u></u> <u><u>V360:30</u></u> <u><u>V364:26</u></u> <u><u>V374:26</u></u> <u><u>V389:70</u></u> <u><u>V442:69</u></u> <u><u>V459:35</u></u> <u><u>V523:70</u></u> <u><u>V544:68</u></u>
Cen	<u>V576:42</u> <u>V752:66</u> <u>NSV6044:66</u>
Cep	<u>U:69</u> <u>RS:19</u> <u>SU:69</u> <u>TV:69</u> <u>VW:31</u> <u>WW:36</u> <u><u>WX:56</u></u> <u>WY:61</u> <u>WZ:21</u> <u>XX:65</u> <u>ZZ:57</u> <u><u>AH:52</u></u> <u>BR:68</u> <u>CM:68</u> <u>CO:65</u> <u><u>CW:57</u></u> <u>DP:56</u> <u>EE:22</u> <u>EG:69</u> <u>EK:61</u> <u>GI:68</u> <u>GK:38</u> <u><u>GS:23</u></u> <u>GW:29</u> <u>IO:70</u> <u>NN:34</u> <u><u>NU:38</u></u> <u>NSV700:64</u> <u>NSV817:70</u> <u>NSV14111:68</u>
Cet	<u>RW:63</u> <u>SS:69</u> <u>TW:70</u> <u>TX:70</u> <u>VY:70</u> <u>XY:17</u> <u>AA:70</u> <u>NSV292:68</u>
Col	<u>RS:20</u>
Com	<u>RW:68</u> <u>RZ:70</u> <u><u>SS:60</u></u> <u>UX:3</u> <u>CC:70</u> <u>DD:26</u>
CrB	<u>U:54</u> <u>RW:48</u> <u><u>TW:56</u></u>
Crv	<u><u>W:70</u></u> <u>Z:70</u> <u>RV:3</u>
Crt	<u>V:70</u>
Cyg	<u>Y:44</u> <u>SW:67</u> <u>UW:69</u> <u>UZ:51</u> <u>WW:69</u> <u>WZ:70</u> <u>ZZ:69</u> <u>AE:69</u> <u>BR:69</u> <u>CG:50</u> <u>CV:28</u> <u><u>DK:23</u></u> <u><u>DL:44</u></u> <u>DO:50</u> <u>GO:44</u> <u>HK:67</u> <u>KR:69</u> <u>KV:39</u> <u>MR:44</u> <u>MY:50</u> <u><u>V366:62</u></u> <u><u>V370</u></u> <u><u>:68</u></u> <u><u>V382:56</u></u> <u><u>V387:70</u></u> <u><u>V388:49</u></u> <u><u>V401:40</u></u> <u><u>V444:44</u></u> <u><u>V456:70</u></u> <u><u>V463:44</u></u> <u><u>V470:</u></u> <u><u>56</u></u> <u><u>V477:57</u></u> <u><u>V498:39</u></u> <u><u>V525:69</u></u> <u><u>V541:34</u></u> <u><u>V548:62</u></u> <u><u>V616:69</u></u> <u><u>V635:68</u></u> <u><u>V697:</u></u> <u><u>69</u></u> <u><u>V698:69</u></u> <u><u>V700:56</u></u> <u><u>V728:62</u></u> <u><u>V836:56</u></u> <u><u>V909:57</u></u> <u>V:1034:64</u> <u>V1068:33</u> <u>V1073</u> <u>:64</u> <u>V1143:47</u> <u>V1425:23</u> <u>SV52194:70</u> <u>LD23:62</u> <u>NSV13198:70</u> <u>NSV13250:70</u>