

VISUAL CHARTS AND SEQUENCES

We are arranging photometry of the 6 stars which go fainter than $V = 10$. In some cases sequences already exist but the sources may not be entirely compatible with the standard system - and in other cases there are magnitude or positional disparities which will be resolved using actual field images. The faintest star on our list, BX Carinae, is a very likely DM Mira but there are no useful magnitudes available so there is no chart as yet.

Star	Range		Charts		Comments
R Aql	6.0-10.2		AAVSO 2°/5°		Limits 9.0, 12.0
BX Car	11.5-14.0	1			Faint sequence to come
CK Car	6.9-8.2		Guide 8 on site		Observe to 2 decimals
CL Car	7.9-9.4		Guide 8 on site		Observe to 2 decimals
R Cen	5.5-9.5		VSS 751/2		
TT Cen	9.6-15.0	3	VSS 1111		Faint sequence to come
UZ Cir	9.0-14.3	2	Guide 8 on site		Faint sequence to come
BH Cru	6.5-10.0		VSS 446		
R Hya	3.5-9.5		AAVSO 5°/15°		Limits 9.0, 12.0
R Nor	6.0-13.0		VSS		Faint sequence to come
FK Pup	7.8-9.7		Guide 8 on site		Observe to 2 decimals
BN Sco	9.6-<15.0	1	VSS 896/7		Faint sequence to come
V415 Vir	9.8-12.6	2	Guide 8 on site		Faint sequence to come

Notes:

- 1 Do not observe as yet.
- 2 Magnitudes doubtful.
- 3 $u = 120$; $v=127$; w uncertain, see also AAVSO 20' chart with limit to $v = 15$.
Slight positional disparities

AAVSO charts are obtained from their web site. Enter the name, the scale and the limiting magnitude. This will get rid of a lot of clutter. Also specify only the variable in question.

The ranges have been derived from inspection of ASAS3 V filter light curves. The eye sees things a little differently so the ranges may be a little greater than shown in the table, particularly with the redder objects.

If any observer knows of other stars which show double maxima or pronounced humps/bumps on the light curve please advise me.

Reporting:

Send measures to the AAVSO in the normal manner but each quarter, or more frequently if you wish, send a listing of these stars and any measures made to stan.walker@varstars.org.