

a00845

variables & brighter stars

.....	O	845	v
.....f	a	879	
.....	b	2093	
..n...k...a..	c	4384	
.....	d	4399	
...m.....	e	4454	v
.....	f	5721	
i.....O.....	g	5792	
.....	h	5797	
.....	i	6913	
.....	j	7466	
.....l...e..	k	8573	v
..b j...d..	l	11637	
.....c.....	m	12782	
.....g...h	n	12886	

.....k..	O	845	v
c.....g b.....	a	17863	
.....	b	18232	
..f.....	c	25682	
...n.....	d	30505	
.....	e	30596	
.....h.....	f	31664	
j.....O.....	g	32369	
.....	h	33317	
.....	i	41400	
..l.....	j	46484	
.....	k	46909	
.....	l	49828	
...i.....m	m	50366	
.....a.....e	n	55833	

Bitmap sizes are 251, 101 and 31 pixels square, South up. The keys to the right refer to the 1st two bitmaps. The numbers in the key are those in my catalogue 'starlistA'. Stars marked with a cross have been found to be variable.

This system is significantly elliptical with phi2=0.675.

Data and comments on star a00845

SWid: a00845 / **USNO id: 3589 263601 / other id: GSC 3589-2636**

Co-ordinates, x,y in image z1051: 2982.4 1611.8

J2000 sky co-ordinates: 21 11 57.39 +46 11 57.37

CMC r'magnitude and 2MASS J,H,K magnitudes: 11.002 9.439 9.247 9.128

USNO B1.0 magnitudes, B1,R1,B2,R2,I2: 11.96 11.16 11.71 11.13 10.89

Misc comments :

8/7/07 eb, period v close to 15.2193, to ref 82 its m 10.96 with mins 11.04, 11.12, spaced only .33 phase apart .

Careful measurements to ref 879 give magm 10.84, magr 0.160, period 15.2193, 5yr overlay.

There is considerable ellipticity, with pd of 0.324 between minima.
Note for SW: mall change to step from 845 0.535 5778 to 845 0.532 5849 with ref 879, step needs to be lower with ref 82 to 845 0.529 5921

Min I ~ HJD 2452899.333 + 15.2192 E or Min. I = JD 2452899.306 + 15.2192 E.

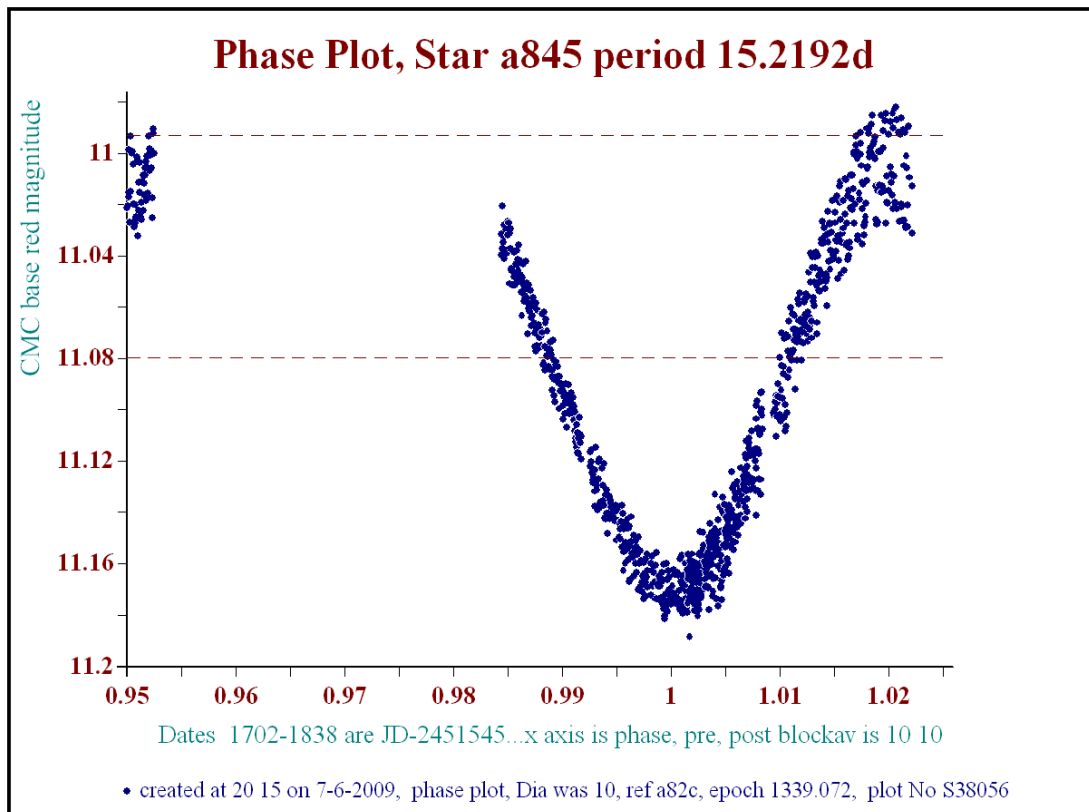
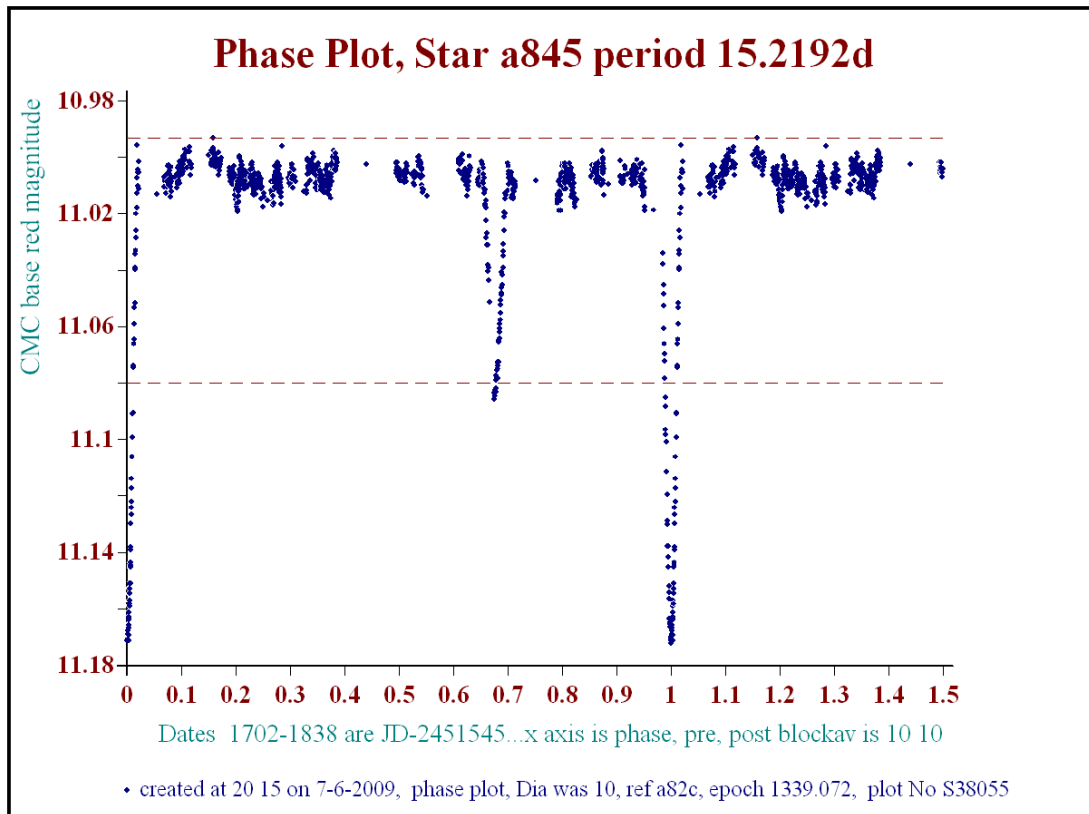
Comparison reference star(s) co-ordinates:

a00082: 21 12 41.92 +46 13 37.58

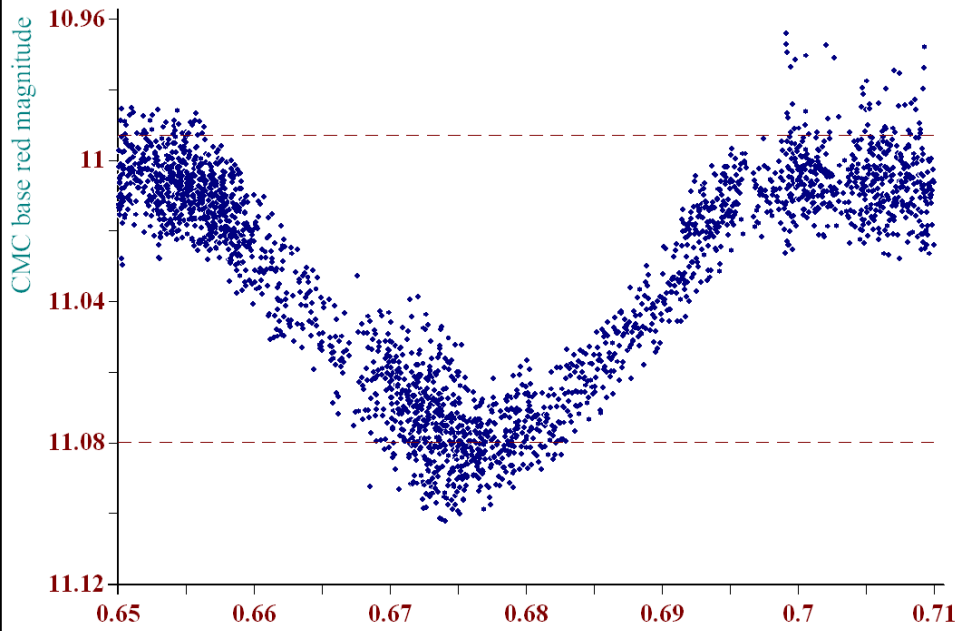
Colour temp estimate 5778-5921 deg K-- see astarnotes

Reminder:

season 1: dates 1316 to 1553 is 9/8/2003 to 3/4/2004	(a)
season 2: dates 1696 to 1838 is 23/8/2004 to 12/01/2005	(z)
season 3: dates 2085 to 2177 is 16/9/2005 to 17/12/2005	(y)
season 4: dates 2442 to 2755 is 8/9/2006 to 19/7/2007	(w)
season 5: dates 2772 to 2903 is 4/8/2007 to 13/12/2007	(v)
season 6: dates 2930 to 3266 is 9/1/2008 to 10/12/2008	(u)
season 7: dates 3403 to 3539 is 26/4/2009 to 10/9/2009	(t)



Phase Plot, Star a845 period 15.2192d



Dates 1344-2903 are JD-2451545...x axis is phase, pre, post blockav is 10 10

• created at 20 18 on 7-6-2009, phase plot, Dia was 10, ref a82c, epoch 1339.072, plot No S38068